

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042923.D
 Acq On : 10 Sep 2025 11:15
 Operator : SY/MD
 Sample : VL0910ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Quant Time: Sep 11 01:11:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	144213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	359262	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.881	117	297345	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	239057	10.720	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	221043	10.458	ppbv	100
3) Chlorodifluoromethane	1.473	51	242940	10.399	ppbv	98
4) Chloromethane	1.531	50	83483	9.788	ppbv	99
5) Vinyl Chloride	1.580	62	76726	9.134	ppbv	94
6) Bromomethane	1.667	94	31758	9.456	ppbv	97
7) Chloroethane	1.703	64	31204	9.512	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	174948	10.115	ppbv	97
9) Propene	1.363	41	899	0.089	ppbv	93
10) Heptane	4.975	43	257575	9.532	ppbv	98
11) Trichlorofluoromethane	1.877	101	205050	9.833	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	150856	9.077	ppbv	99
13) Ethanol	1.722	45	7091	7.687	ppbv	94
14) Bromoethene	1.780	108	56638	9.413	ppbv	97
15) Acetone	1.835	43	158979	8.334	ppbv	99
16) 1,3-Butadiene	1.609	39	75764	8.761	ppbv	98
17) tert-Butyl alcohol	2.039	59	169191	7.479	ppbv	98
18) 1,1-Dichloroethene	2.033	96	70847	9.696	ppbv	98
19) Isopropyl Alcohol	1.884	45	95301	8.364	ppbv #	38
20) Methylene Chloride	2.059	84	59956	7.503	ppbv	89
21) Allyl Chloride	2.094	41	120472	8.939	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	81412	9.630	ppbv	94
23) Vinyl Acetate	2.463	43	243847	9.296	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	162104	9.602	ppbv	99
25) Ethyl Acetate	2.835	43	455568	9.867	ppbv	98
26) Hexane	2.822	57	202096	9.483	ppbv	93
27) Carbon Disulfide	2.149	76	198034	9.549	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	87510	8.053	ppbv	95
29) Chloroform	2.848	83	299968	9.859	ppbv	98
30) Cyclohexane	3.855	84	162101	8.676	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	186454	8.759	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	276772	8.607	ppbv	96
34) 2-Butanone	2.557	43	285943	11.787	ppbv	97
35) Carbon Tetrachloride	3.761	117	284318	11.479	ppbv	97
36) Benzene	3.654	78	391321	11.375	ppbv	97
37) 1,2-Dichloroethane	3.217	62	224329	12.481	ppbv	98
38) Trichloroethene	4.544	130	161710	10.292	ppbv	98
39) 1,2-Dichloropropane	4.311	63	148506	11.819	ppbv	93
40) 1,4-Dioxane	4.583	88	59487	9.957	ppbv #	89
41) Tetrahydrofuran	3.052	42	153801	11.372	ppbv	97
42) Bromodichloromethane	4.486	83	324553	12.118	ppbv	99
43) Methyl Methacrylate	4.878	69	148932	10.509	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	694873	11.900	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	150074	9.383	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042923.D
 Acq On : 10 Sep 2025 11:15
 Operator : SY/MD
 Sample : VL0910ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

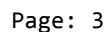
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

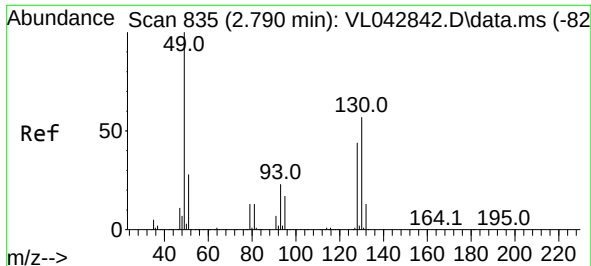
Quant Time: Sep 11 01:11:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	208230	10.449	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	155939	11.714	ppbv	98
48) Dibromochloromethane	7.386	129	245474	11.395	ppbv	99
49) Bromoform	9.483	173	197231	11.102	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	382819	11.675	ppbv	97
51) 2-Hexanone	7.435	43	302643	11.729	ppbv #	94
52) Tetrachloroethene	8.221	164	115064	9.245	ppbv	94
53) Toluene	6.933	91	421930	10.316	ppbv	99
54) 1,2-Dibromoethane	7.652	107	217893	11.200	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	183667	11.945	ppbv	97
57) Chlorobenzene	8.920	112	341190	12.068	ppbv	98
58) Ethyl Benzene	9.354	91	596255	11.363	ppbv	98
59) m/p-Xylene	9.551	91	459837	11.180	ppbv #	100
60) o-Xylene	9.962	91	495429	11.975	ppbv	99
61) Styrene	9.872	104	200674	10.352	ppbv	100
62) Isopropylbenzene	10.539	105	702444	11.618	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.962	83	299163	13.149	ppbv	100
64) n-propylbenzene	10.989	120	180169	11.679	ppbv	91
65) tert-Butylbenzene	11.529	119	608720	11.420	ppbv	97
66) Benzyl Chloride	11.616	91	56398	8.335	ppbv	99
67) sec-Butylbenzene	11.769	105	890610	11.904	ppbv	98
69) p-Isopropyltoluene	11.924	119	719966	11.209	ppbv	99
70) n-Butylbenzene	12.280	91	773841	12.147	ppbv	97
71) 2-Chlorotoluene	10.901	91	532195	11.336	ppbv	97
72) 4-Ethyltoluene	11.124	105	586546	11.695	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	490288	11.495	ppbv	100
74) 1,2,4-Trimethylbenzene	11.535	105	552511	11.802	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	315165	11.842	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	311459	11.572	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	311221	11.942	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	178304	8.348	ppbv	99
79) Naphthalene	13.513	128	453434	10.683	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	121054	7.633	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	218326	10.235	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 11 01:11:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

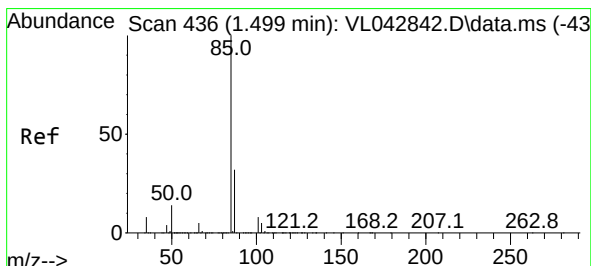
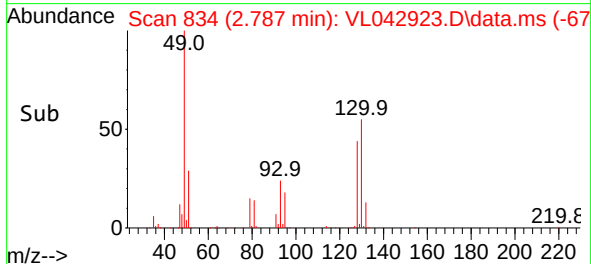
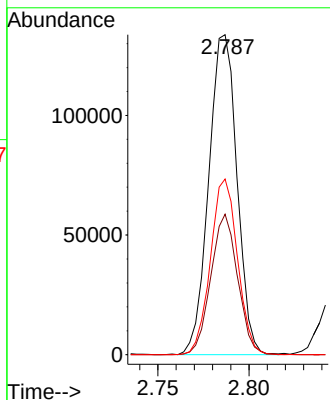
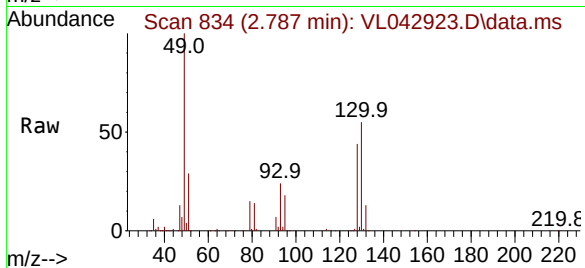




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

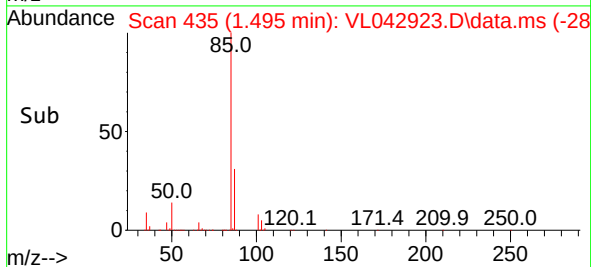
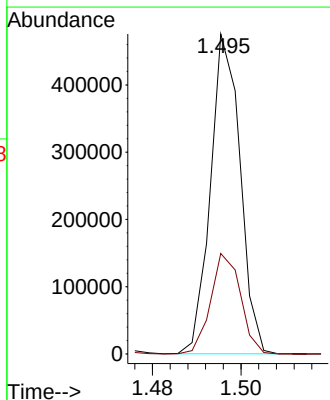
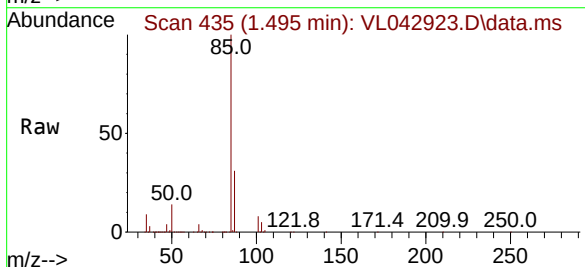
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

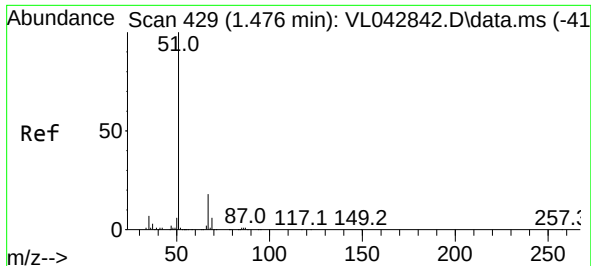
Tgt Ion: 49 Resp: 144213
 Ion Ratio Lower Upper
 49 100
 128 41.7 23.7 71.1
 130 52.6 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 10.458 ppbv
 RT: 1.495 min Scan# 435
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 85 Resp: 221043
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.3 37.9

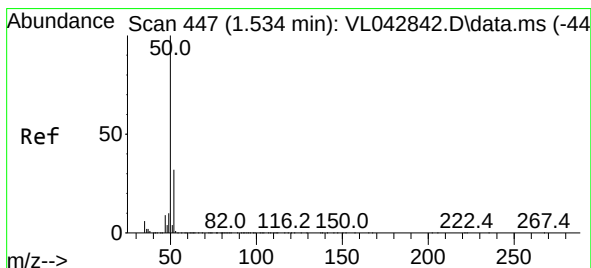
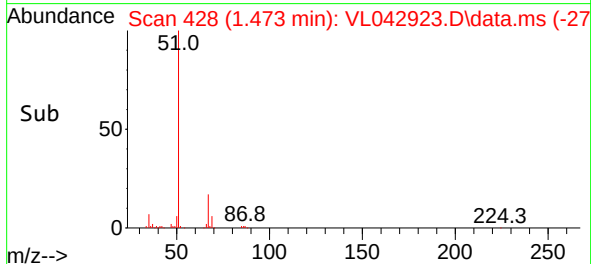
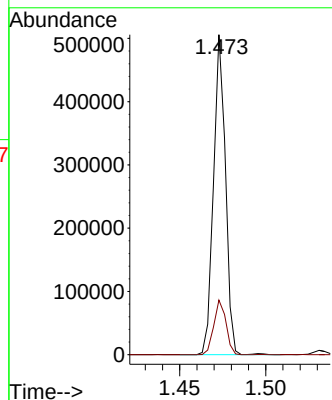
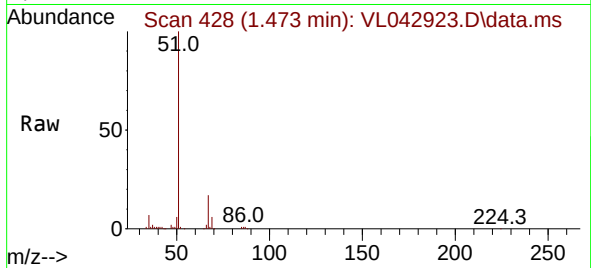




#3
Chlorodifluoromethane
Concen: 10.399 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

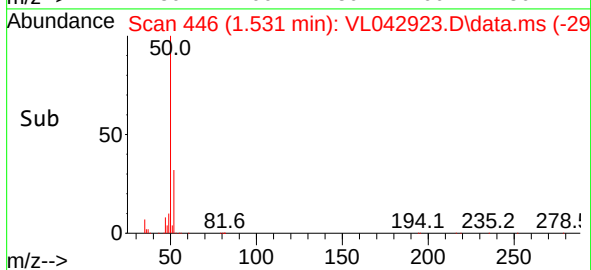
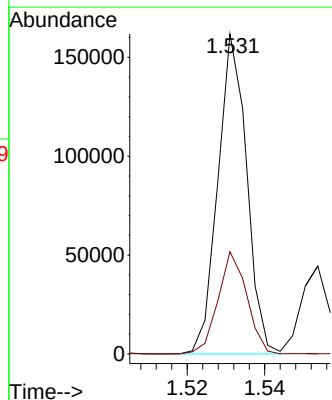
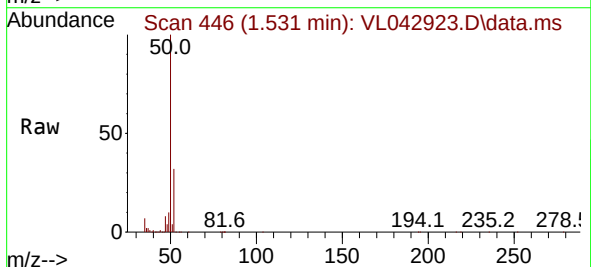
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

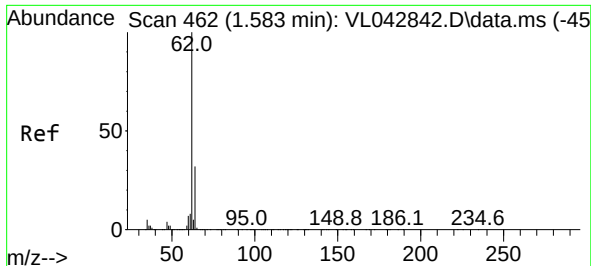
Tgt Ion: 51 Resp: 242940
Ion Ratio Lower Upper
51 100
67 17.5 14.9 22.3



#4
Chloromethane
Concen: 9.788 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 50 Resp: 83483
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9

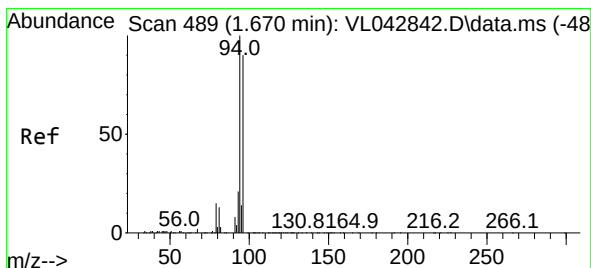
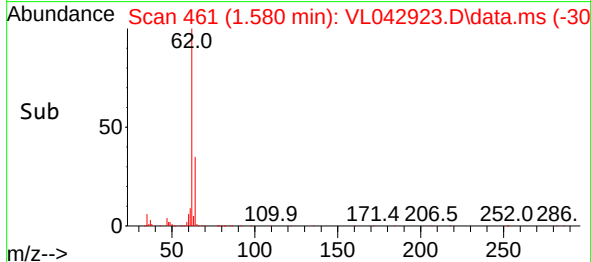
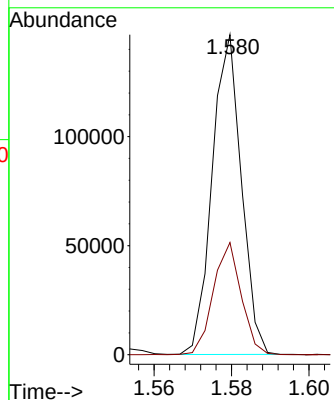
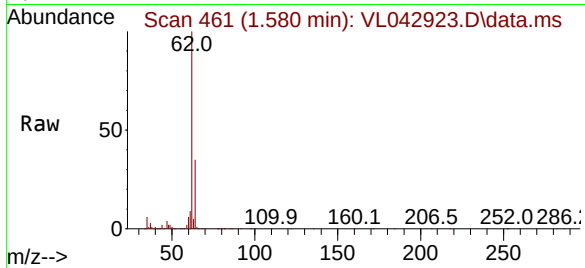




#5
 Vinyl Chloride
 Concen: 9.134 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

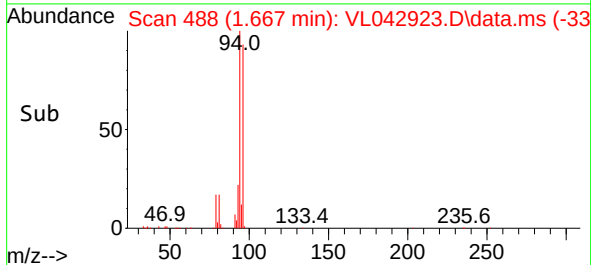
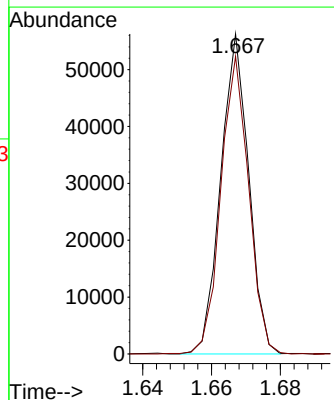
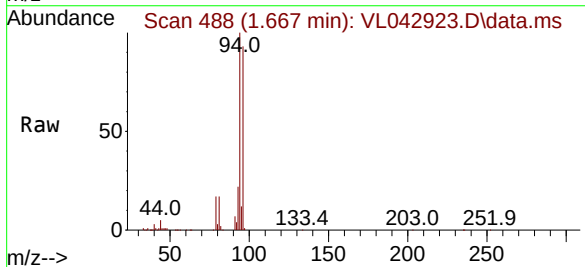
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0910ABS01

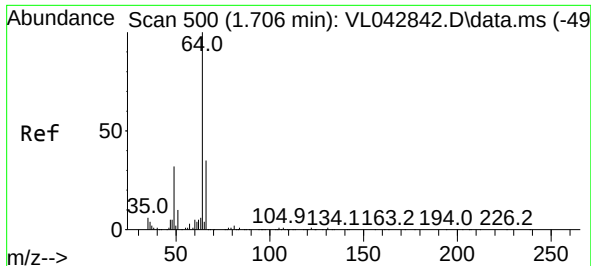
Tgt Ion: 62 Resp: 76726
 Ion Ratio Lower Upper
 62 100
 64 35.0 25.4 38.2



#6
 Bromomethane
 Concen: 9.456 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 94 Resp: 31758
 Ion Ratio Lower Upper
 94 100
 96 92.9 72.1 108.1

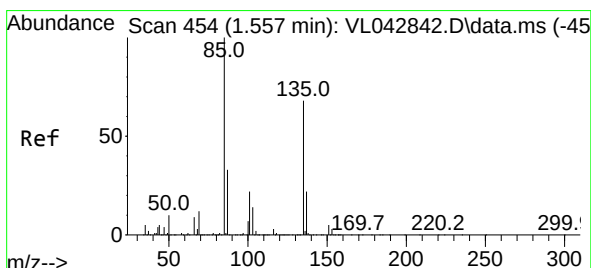
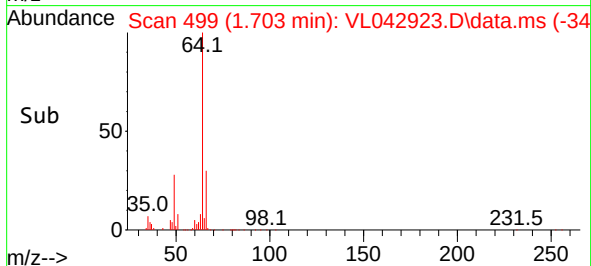
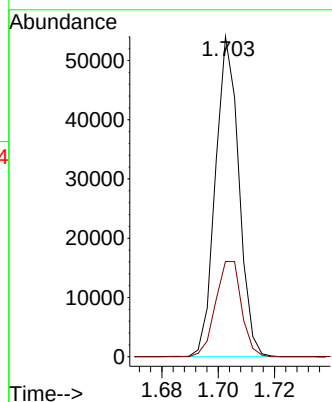
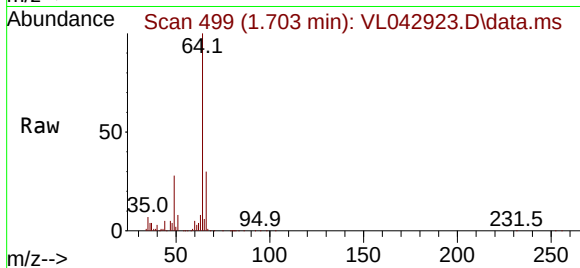




#7
Chloroethane
Concen: 9.512 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

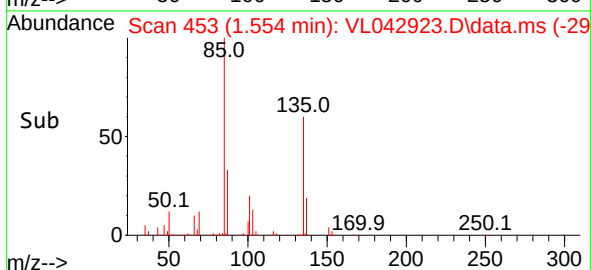
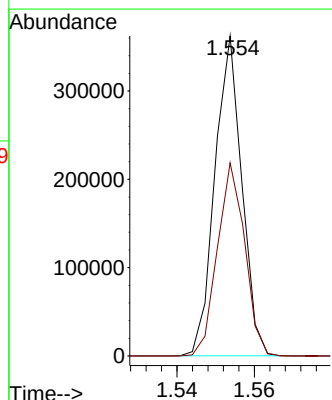
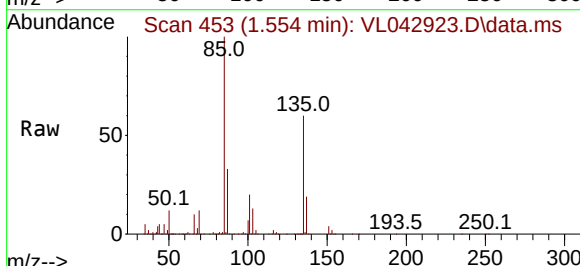
Instrument :
MSVOA_1
ClientSampleId :
VL0910ABS01

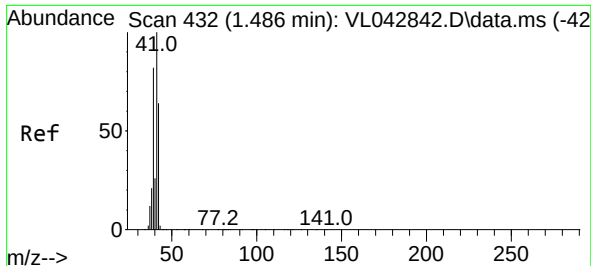
Tgt Ion: 64 Resp: 31204
Ion Ratio Lower Upper
64 100
66 29.7 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 10.115 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 85 Resp: 174948
Ion Ratio Lower Upper
85 100
135 61.3 51.2 76.8





#9

Propene

Concen: 0.089 ppbv

RT: 1.363 min Scan# 394

Delta R.T. -0.114 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_1

ClientSampleId :

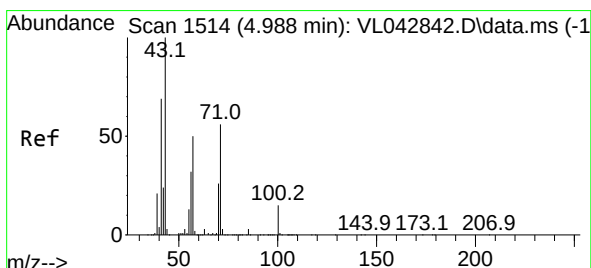
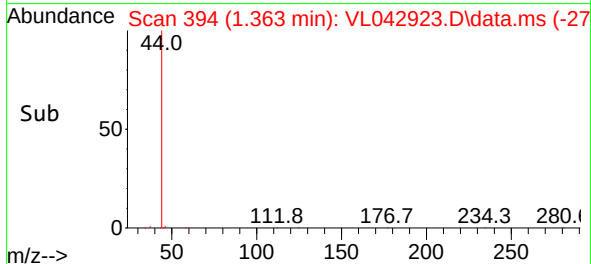
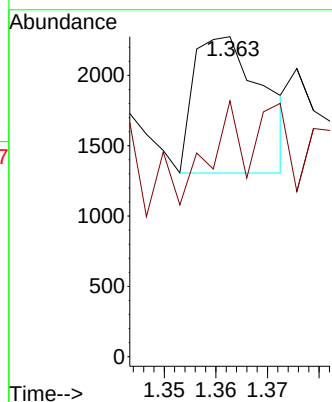
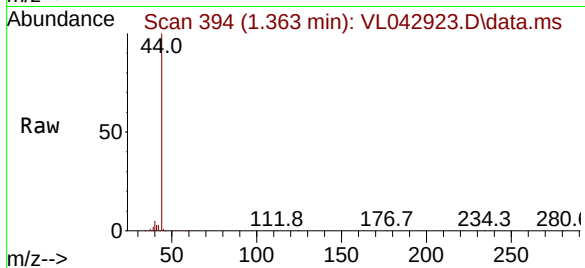
VL0910ABS01

Tgt Ion: 41 Resp: 899

Ion Ratio Lower Upper

41 100

42 72.1 53.0 79.4



#10

Heptane

Concen: 9.532 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.016 min

Lab File: VL042923.D

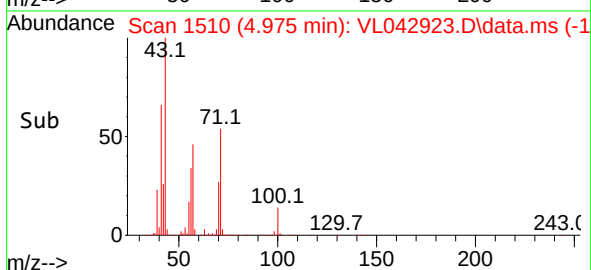
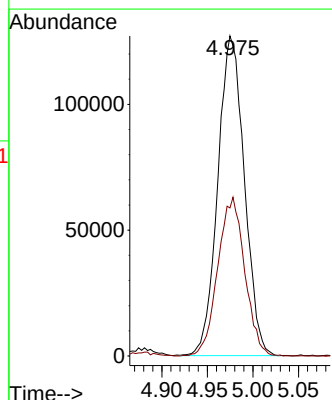
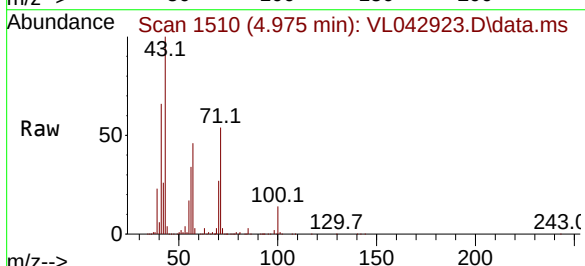
Acq: 10 Sep 2025 11:15

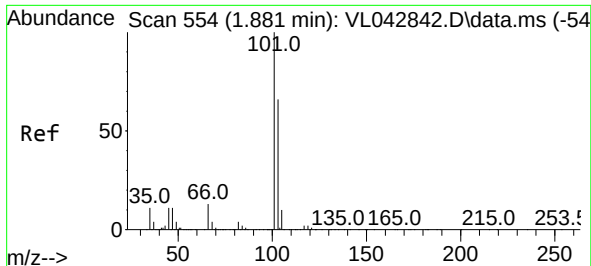
Tgt Ion: 43 Resp: 257575

Ion Ratio Lower Upper

43 100

57 50.4 41.4 62.0

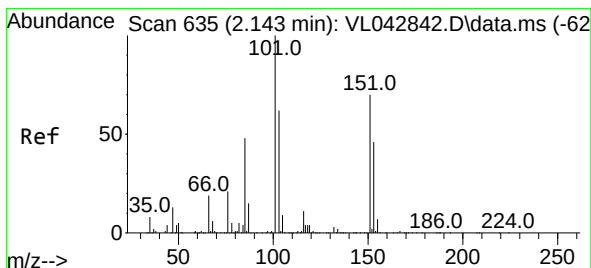
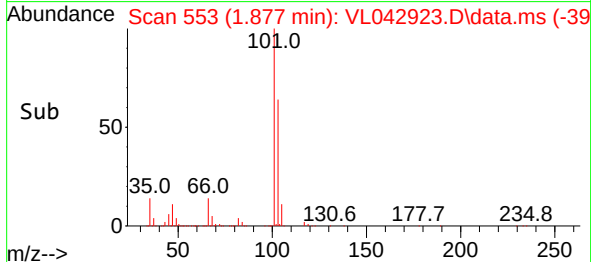
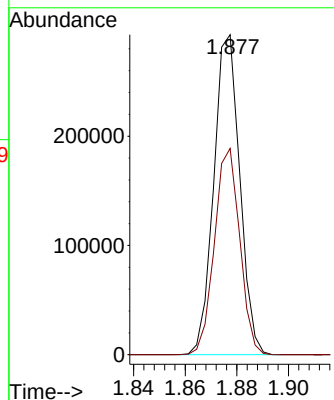
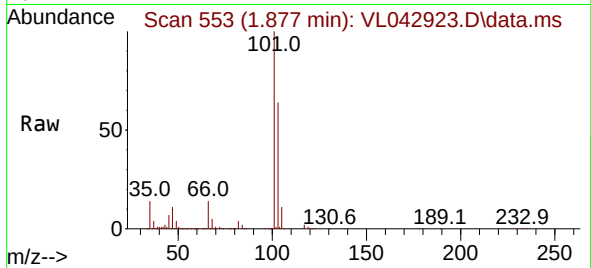




#11
 Trichlorofluoromethane
 Concen: 9.833 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

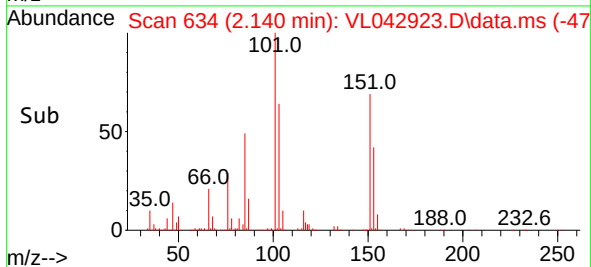
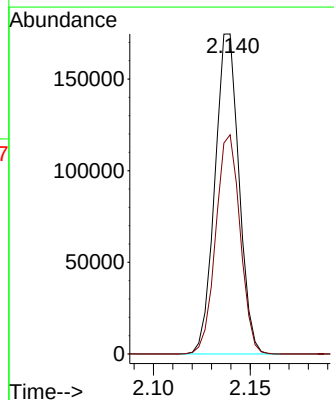
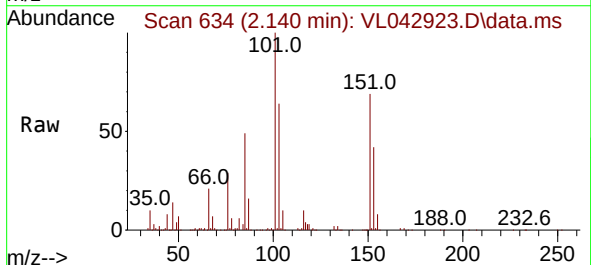
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

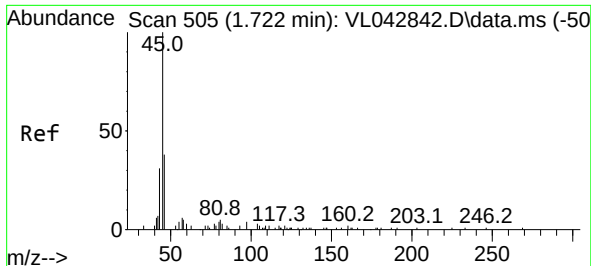
Tgt Ion:101 Resp: 205050
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.077 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion:101 Resp: 150856
 Ion Ratio Lower Upper
 101 100
 151 69.4 56.4 84.6

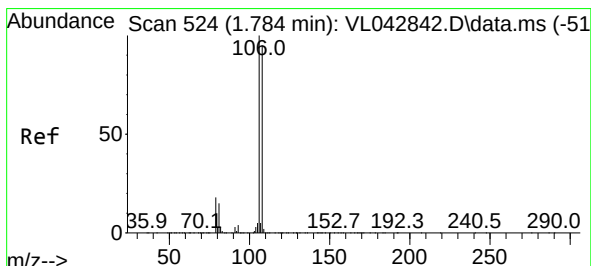
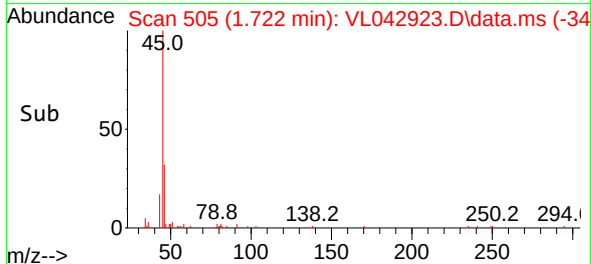
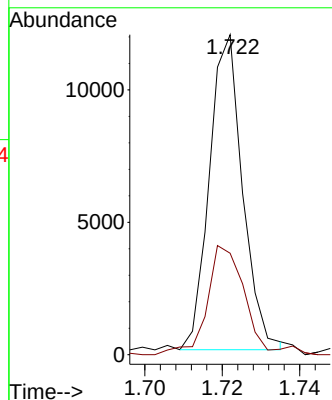
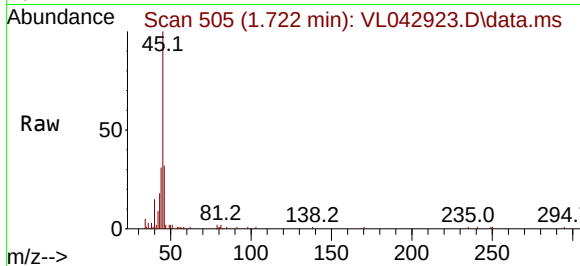




#13
Ethanol
Concen: 7.687 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

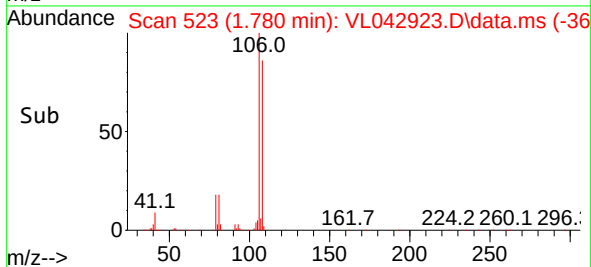
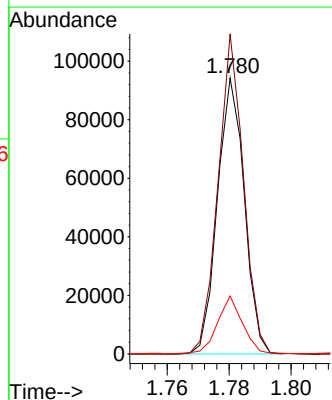
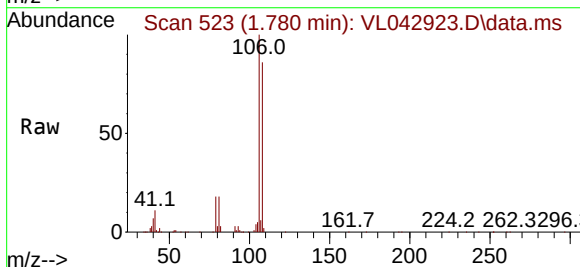
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

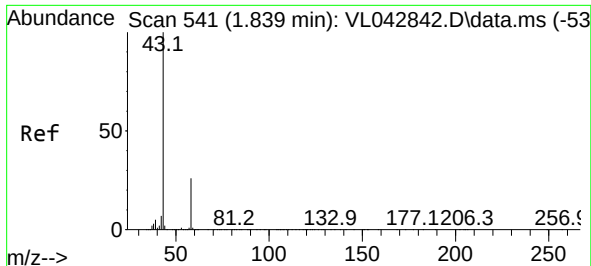
Tgt Ion: 45 Resp: 7091
Ion Ratio Lower Upper
45 100
46 39.6 17.5 69.9



#14
Bromoethene
Concen: 9.413 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 108 Resp: 56638
Ion Ratio Lower Upper
108 100
106 109.8 85.1 127.7
79 19.7 16.3 24.5

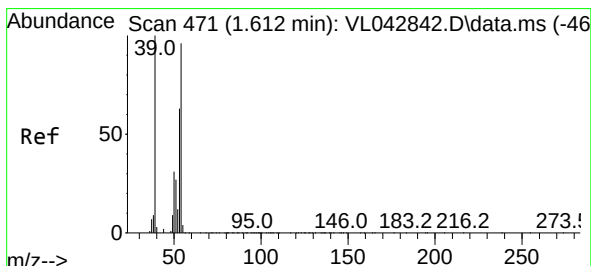
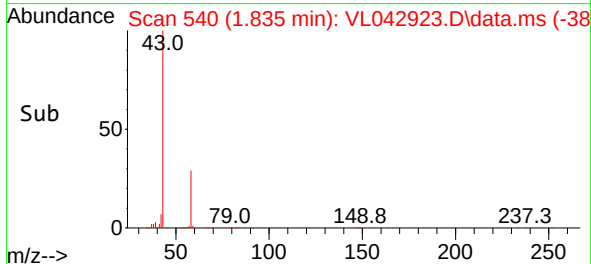
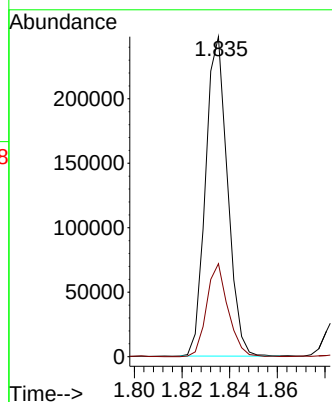
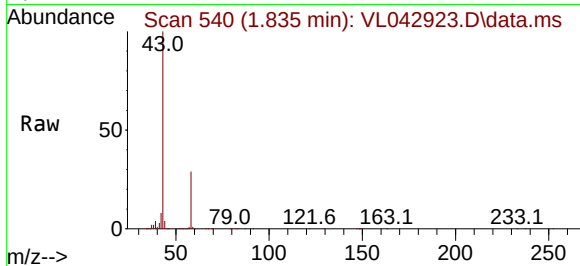




#15
Acetone
Concen: 8.334 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

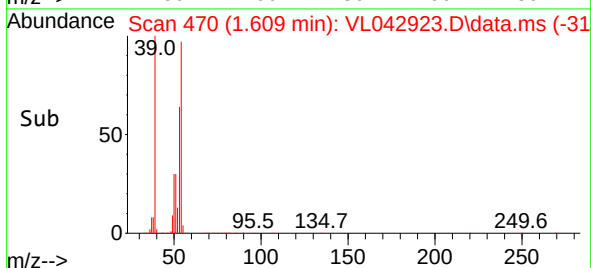
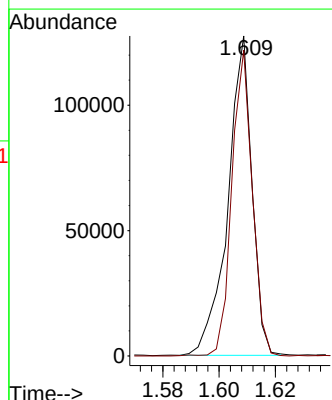
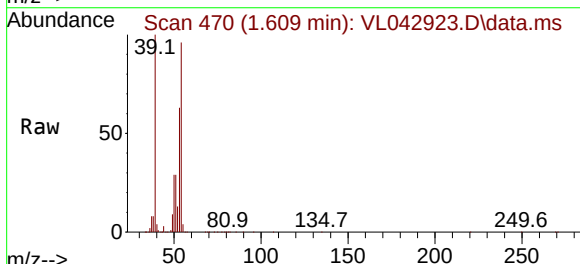
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

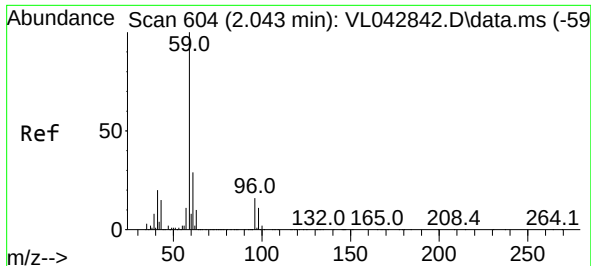
Tgt Ion: 43 Resp: 158979
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6



#16
1,3-Butadiene
Concen: 8.761 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 39 Resp: 75764
Ion Ratio Lower Upper
39 100
54 81.3 63.6 95.4





#17

tert-Butyl alcohol

Concen: 7.479 ppbv

RT: 2.039 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_1

ClientSampleId :

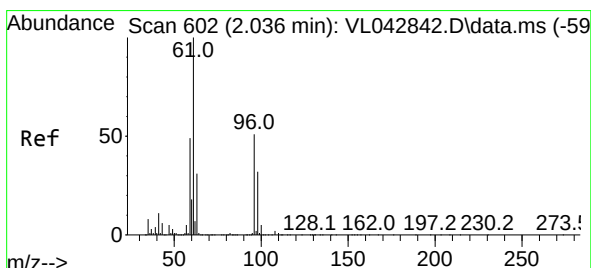
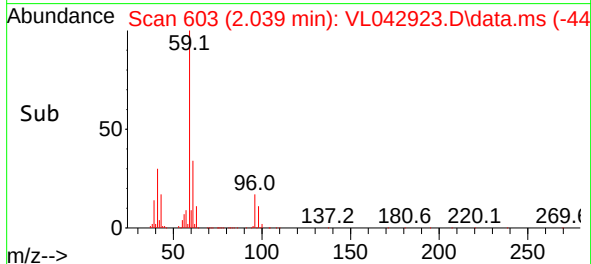
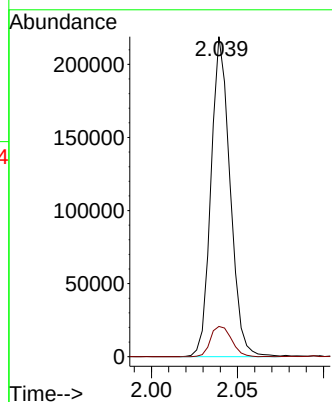
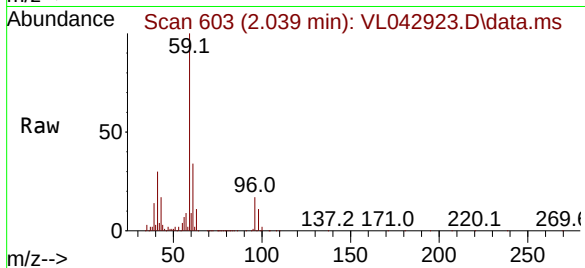
VL0910ABS01

Tgt Ion: 59 Resp: 169191

Ion Ratio Lower Upper

59 100

57 10.4 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.696 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

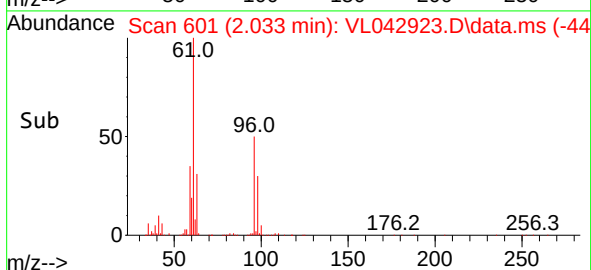
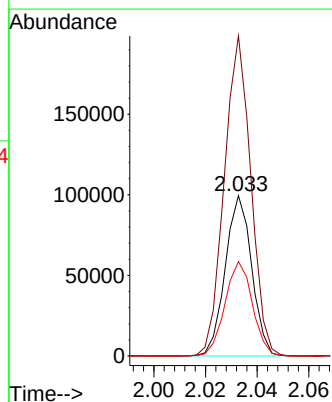
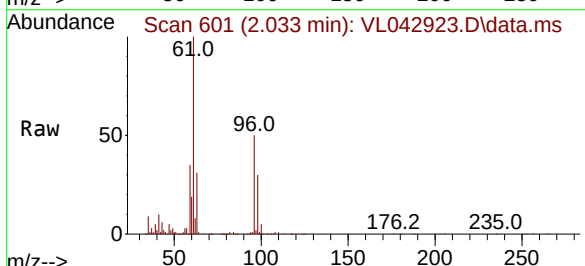
Tgt Ion: 96 Resp: 70847

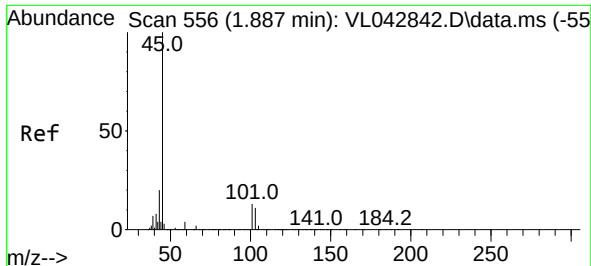
Ion Ratio Lower Upper

96 100

61 199.7 158.2 237.4

98 58.9 50.6 76.0





#19

Isopropyl Alcohol

Concen: 8.364 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

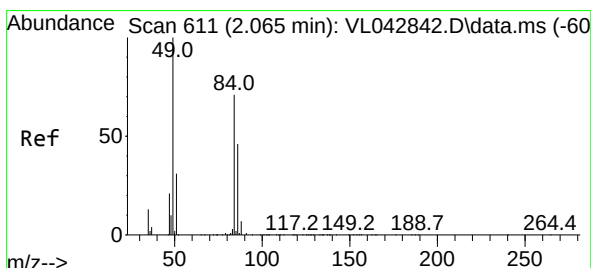
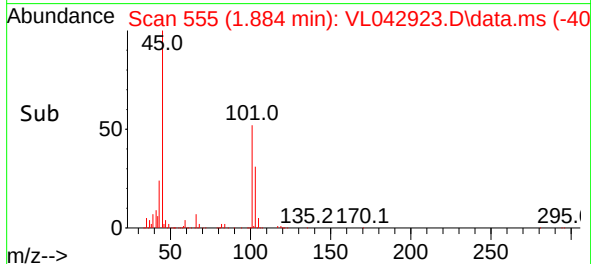
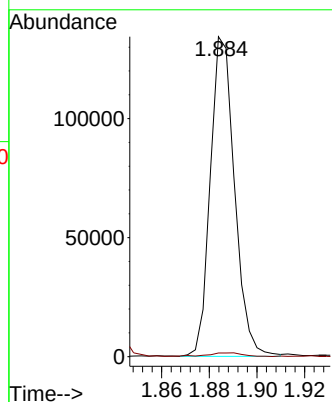
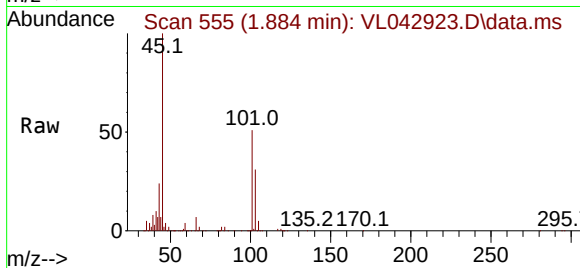
VL0910ABS01

Tgt Ion: 45 Resp: 95301

Ion Ratio Lower Upper

45 100

58 2.3 32.7 49.1#



#20

Methylene Chloride

Concen: 7.503 ppbv

RT: 2.059 min Scan# 609

Delta R.T. 0.003 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion: 84 Resp: 59956

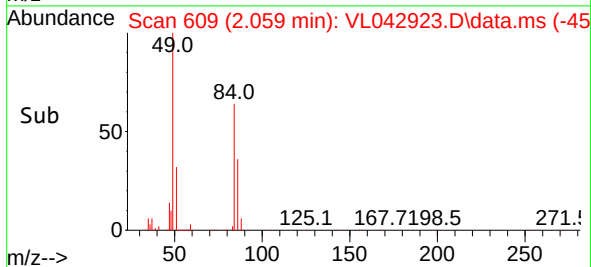
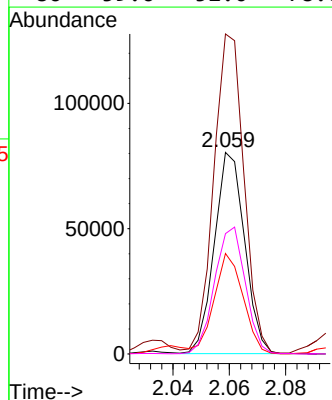
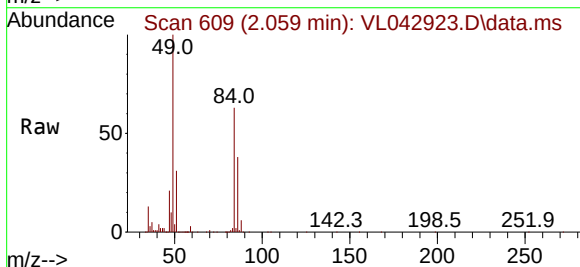
Ion Ratio Lower Upper

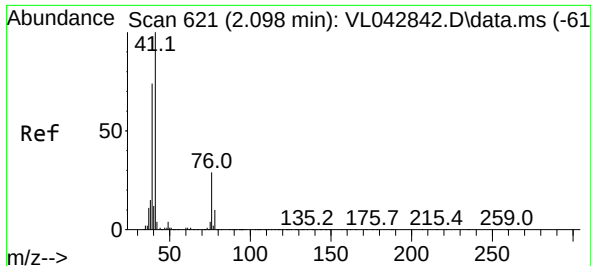
84 100

49 158.4 112.3 168.5

51 49.9 36.0 54.0

86 59.6 52.0 78.0

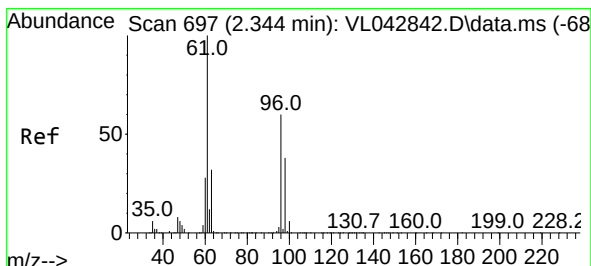
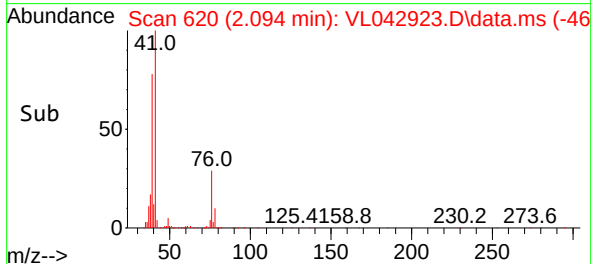
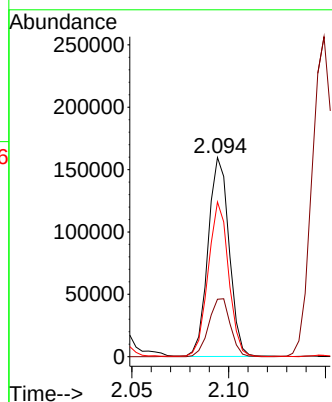
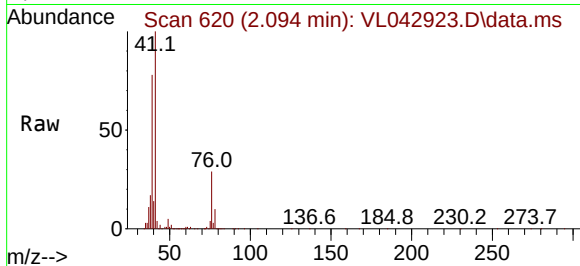




#21
 Allyl Chloride
 Concen: 8.939 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

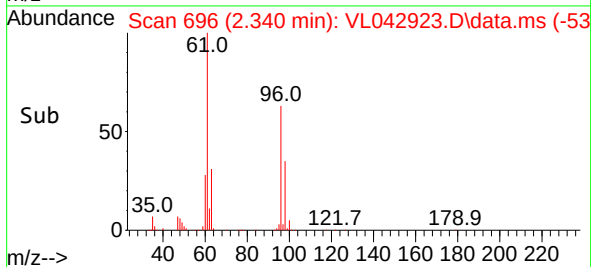
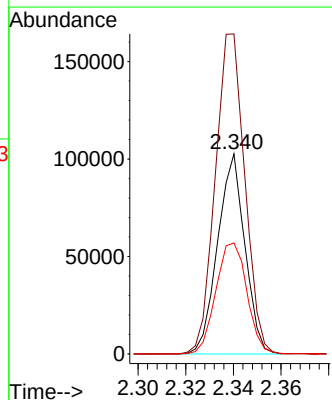
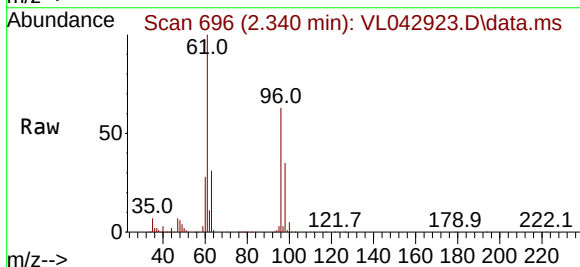
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

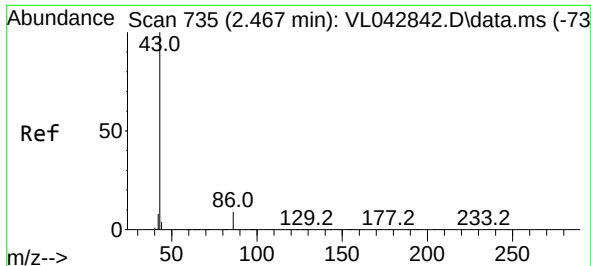
Tgt Ion: 41 Resp: 120472
 Ion Ratio Lower Upper
 41 100
 76 29.9 23.9 35.9
 39 76.2 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.630 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 96 Resp: 81412
 Ion Ratio Lower Upper
 96 100
 61 159.8 132.6 199.0
 98 55.4 50.0 75.0



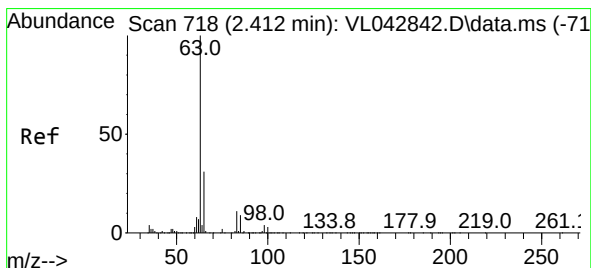
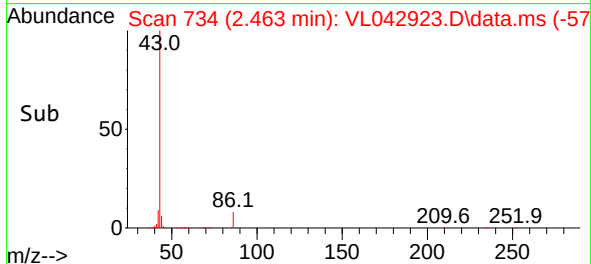
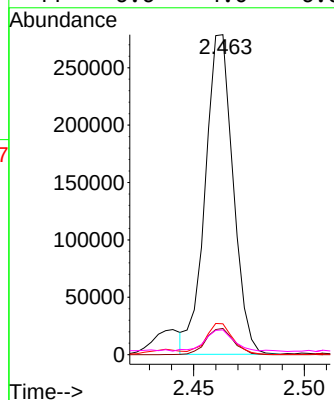
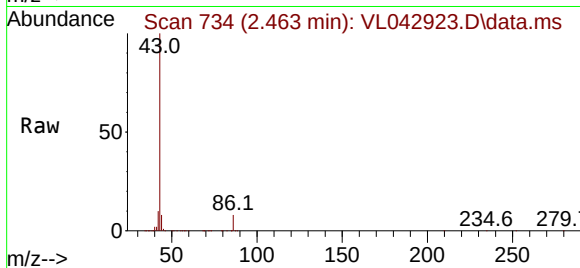


#23
 Vinyl Acetate
 Concen: 9.296 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0910ABS01

Tgt Ion: 43 Resp: 243847

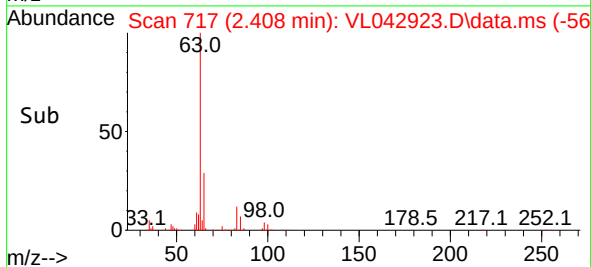
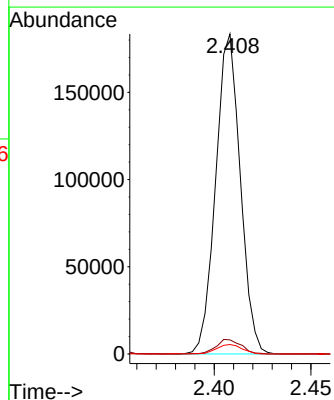
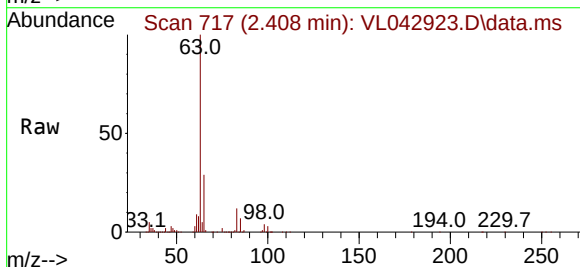
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	9.6	7.0	10.6
44	6.6	4.0	6.0

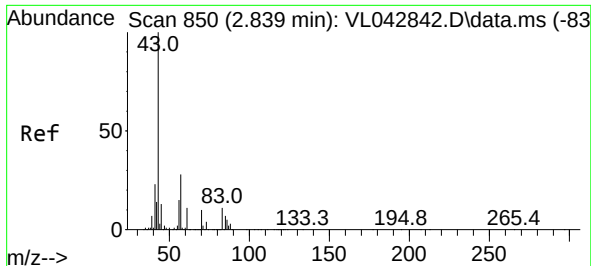


#24
 1,1-Dichloroethane
 Concen: 9.602 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 63 Resp: 162104

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	3.0	1.7	5.1

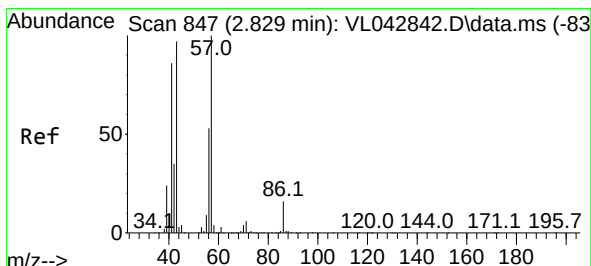
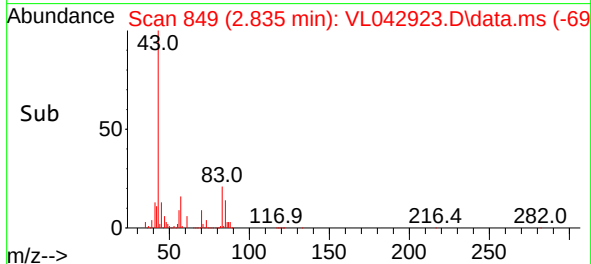
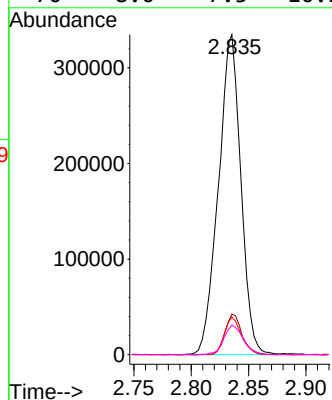
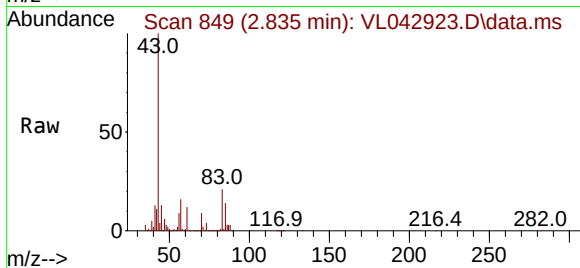




#25
Ethyl Acetate
Concen: 9.867 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

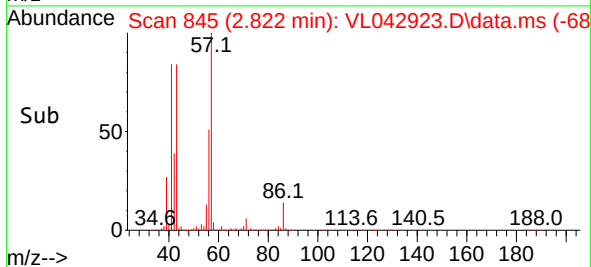
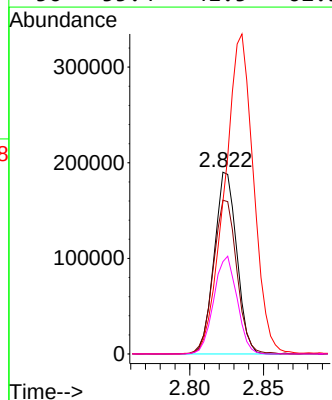
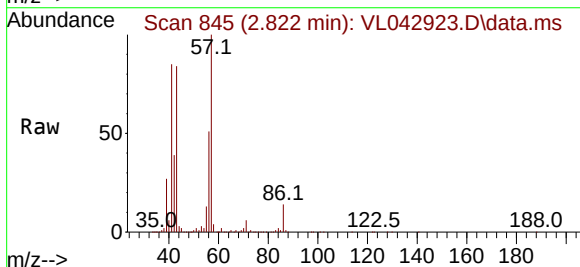
Instrument :
MSVOA_1
ClientSampleId :
VL0910ABS01

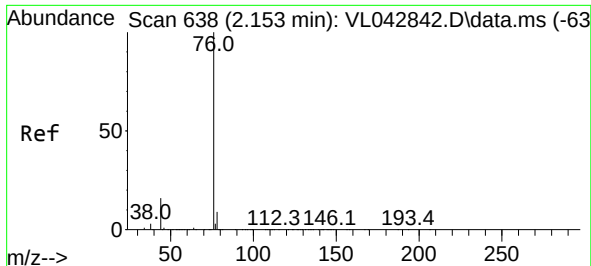
Tgt Ion:	43	Resp:	455568
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	9.1	7.4	11.2
70	8.0	7.3	10.9



#26
Hexane
Concen: 9.483 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:	57	Resp:	202096
Ion	Ratio	Lower	Upper
57	100		
41	89.4	68.6	103.0
43	225.6	168.5	252.7
56	55.4	41.5	62.3





#27

Carbon Disulfide

Concen: 9.549 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

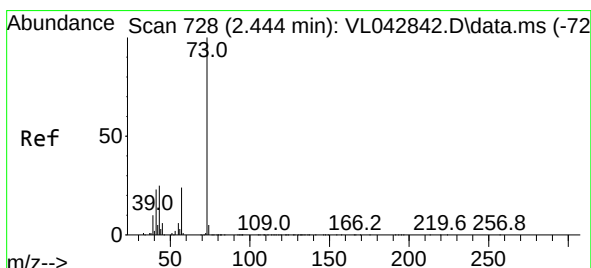
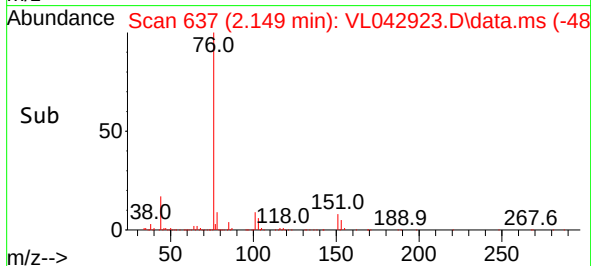
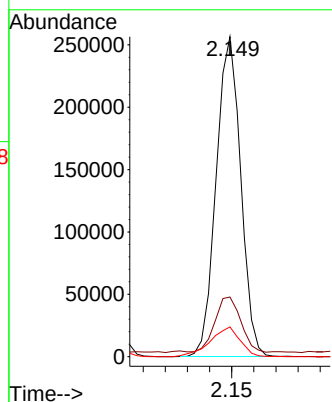
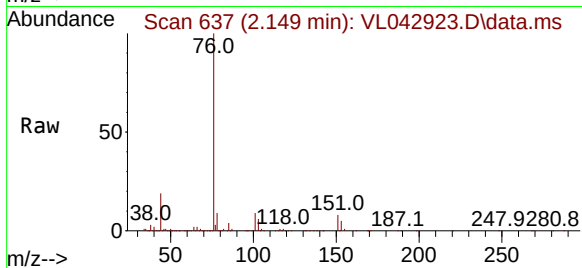
Tgt Ion: 76 Resp: 198034

Ion Ratio Lower Upper

76 100

44 19.1 15.9 23.9

78 11.3 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 8.053 ppbv

RT: 2.437 min Scan# 726

Delta R.T. 0.006 min

Lab File: VL042923.D

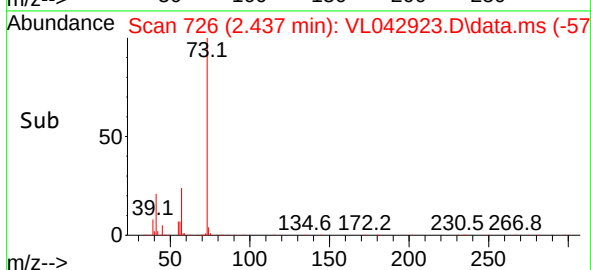
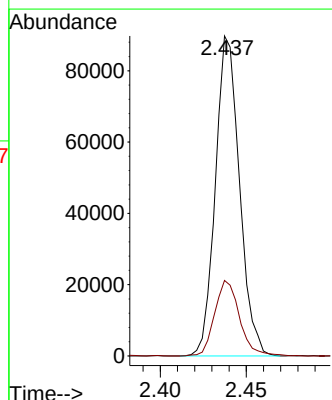
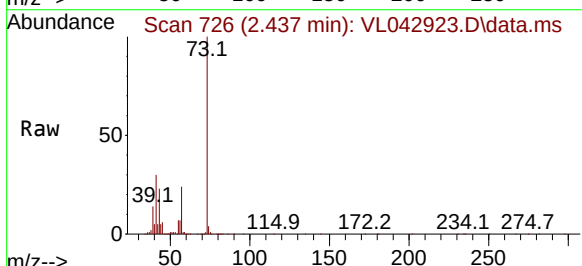
Acq: 10 Sep 2025 11:15

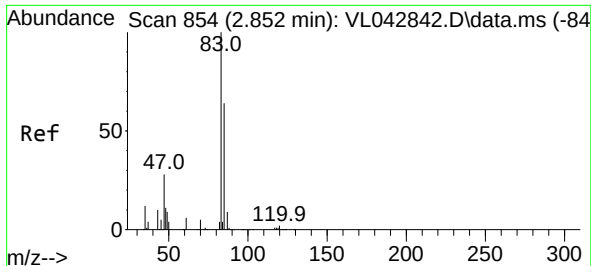
Tgt Ion: 73 Resp: 87510

Ion Ratio Lower Upper

73 100

57 24.4 21.6 32.4





#29

Chloroform

Concen: 9.859 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

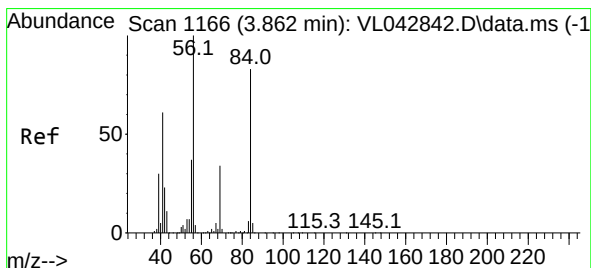
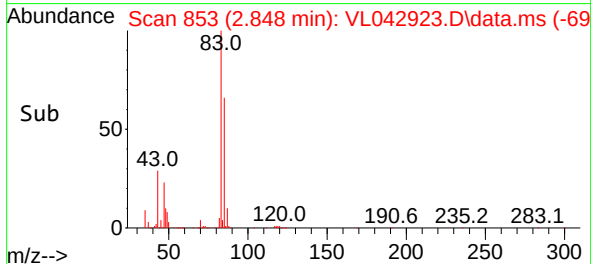
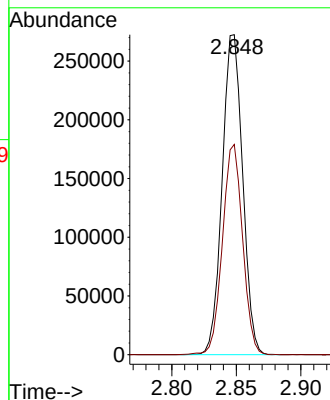
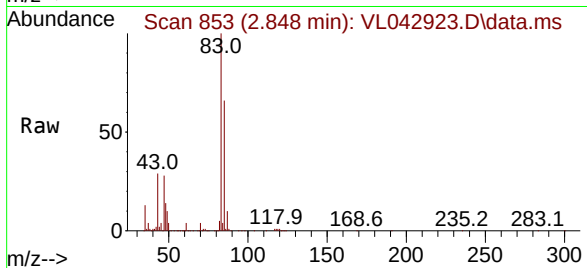
VL0910ABS01

Tgt Ion: 83 Resp: 299968

Ion Ratio Lower Upper

83 100

85 65.7 51.1 76.7



#30

Cyclohexane

Concen: 8.676 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

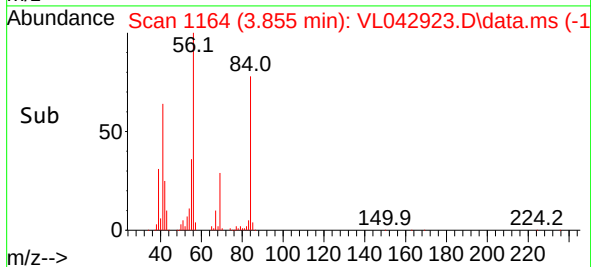
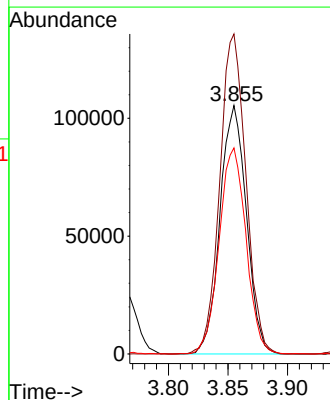
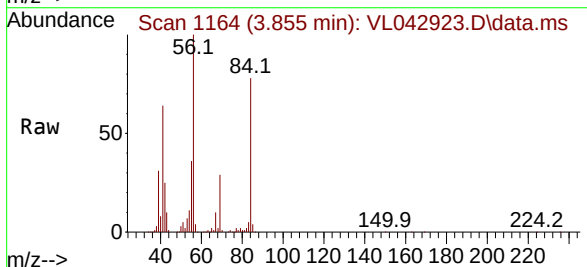
Tgt Ion: 84 Resp: 162101

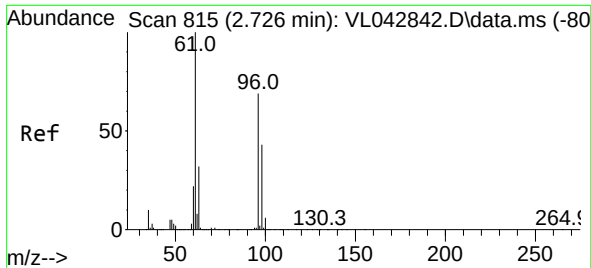
Ion Ratio Lower Upper

84 100

56 127.4 98.8 148.2

41 84.8 61.3 91.9

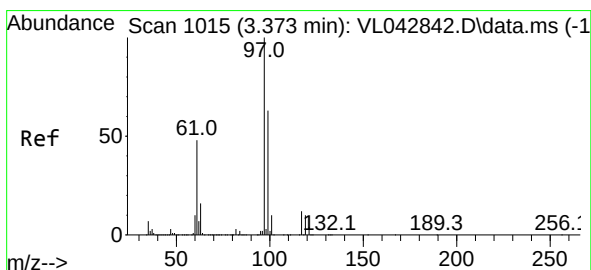
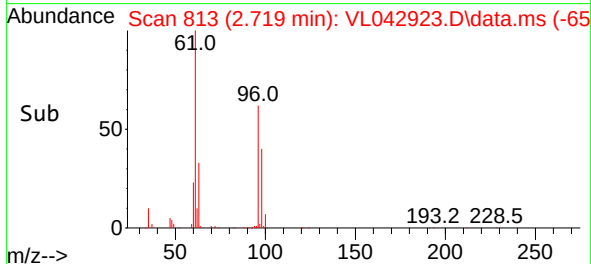
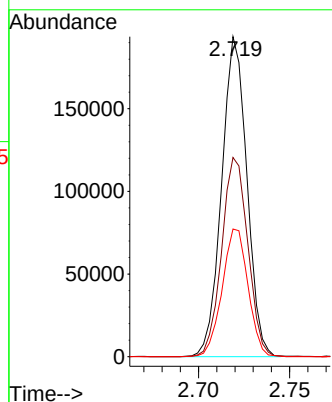
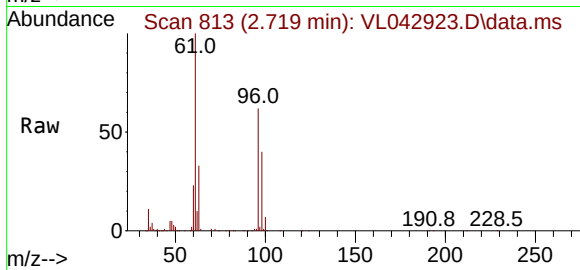




#31
 cis-1,2-Dichloroethene
 Concen: 8.759 ppbv
 RT: 2.719 min Scan# 815
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

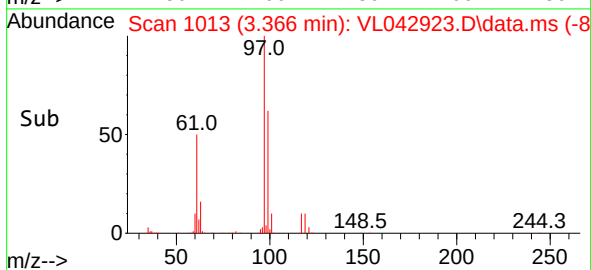
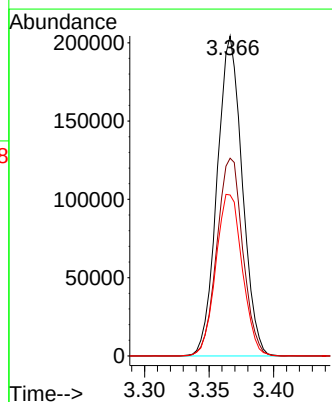
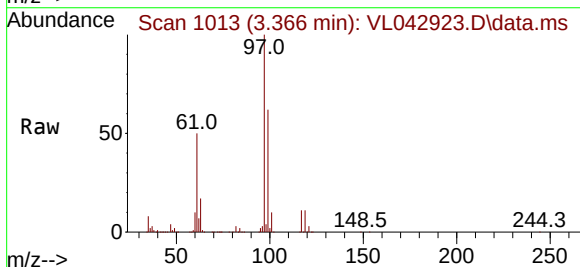
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

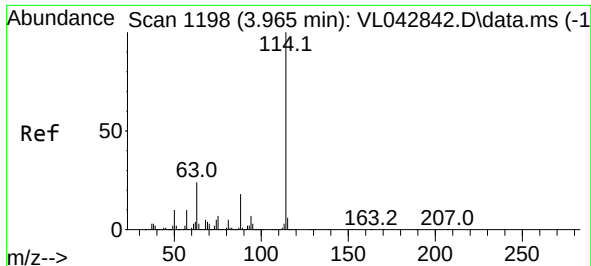
Tgt Ion: 61 Resp: 186454
 Ion Ratio Lower Upper
 61 100
 96 62.3 55.0 82.6
 98 39.9 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 8.607 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 97 Resp: 276772
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 53.4 38.0 57.0

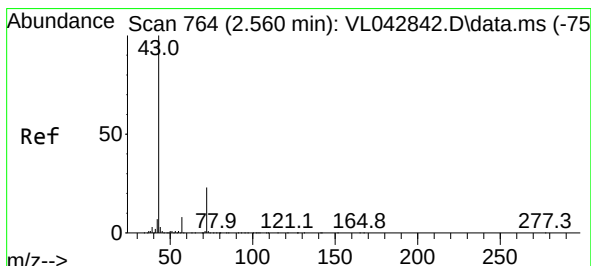
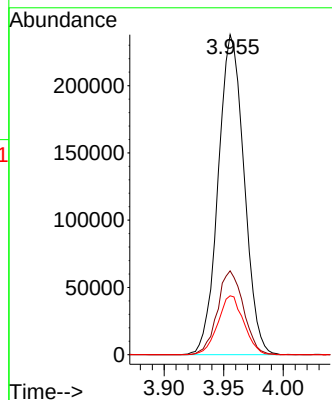
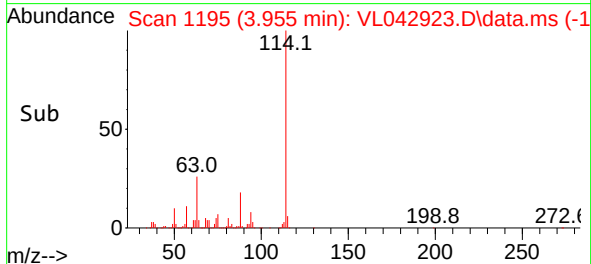
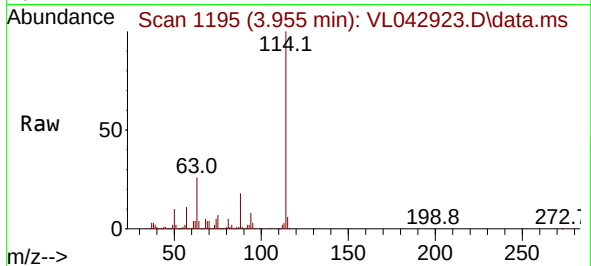




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

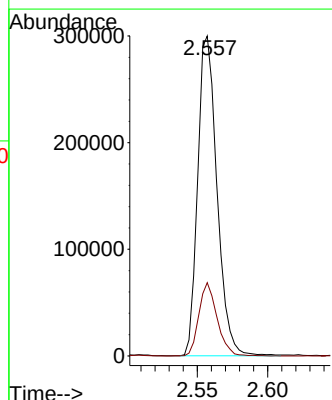
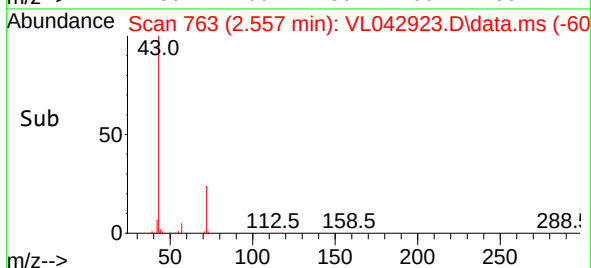
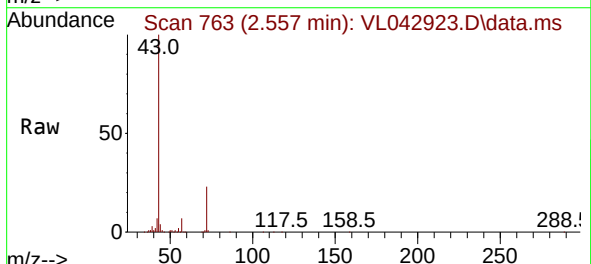
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

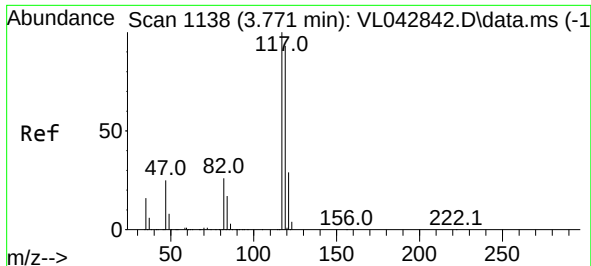
Tgt Ion:114 Resp: 359262
Ion Ratio Lower Upper
114 100
63 26.3 19.7 29.5
88 18.4 14.4 21.6



#34
2-Butanone
Concen: 11.787 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 43 Resp: 285943
Ion Ratio Lower Upper
43 100
72 21.6 18.6 28.0

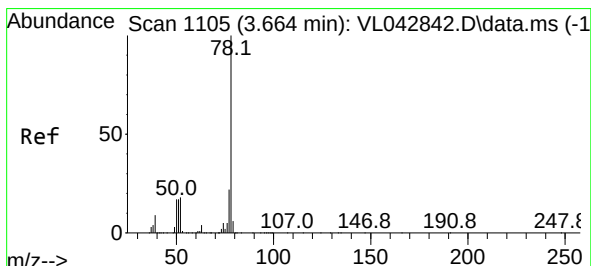
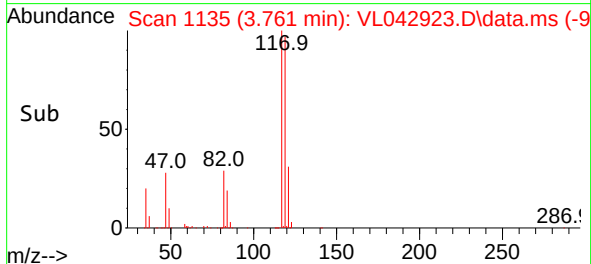
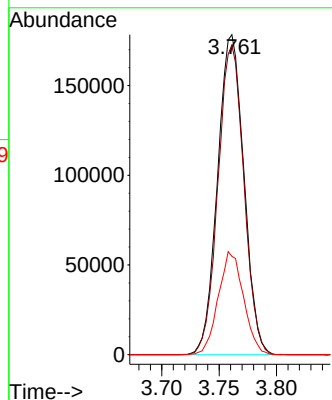
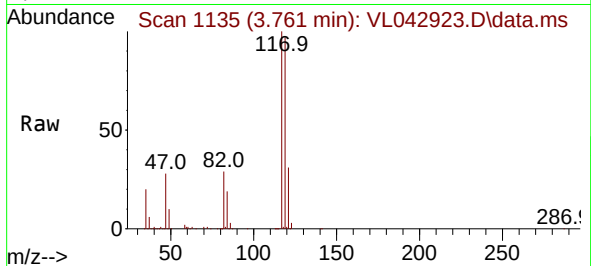




#35
Carbon Tetrachloride
Concen: 11.479 ppbv
RT: 3.761 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

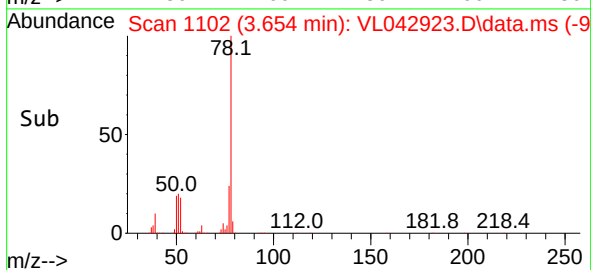
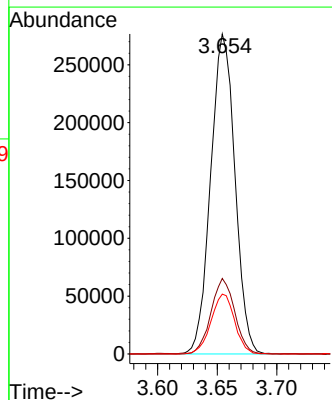
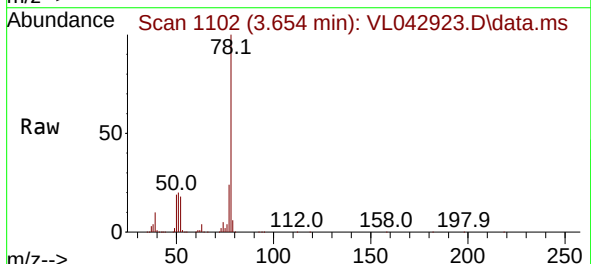
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

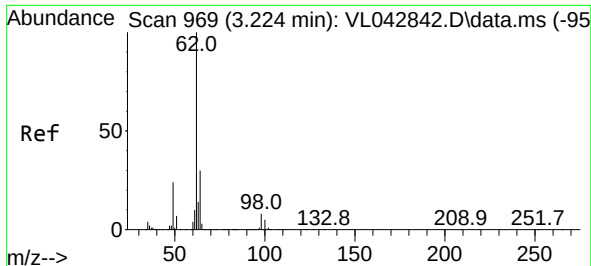
Tgt Ion:117 Resp: 284318
Ion Ratio Lower Upper
117 100
119 96.8 74.7 112.1
121 30.7 23.2 34.8



#36
Benzene
Concen: 11.375 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 78 Resp: 391321
Ion Ratio Lower Upper
78 100
77 23.6 17.7 26.5
50 18.7 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.481 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

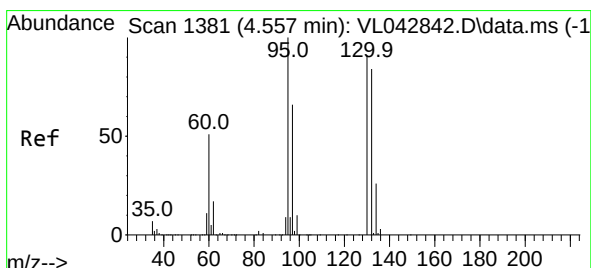
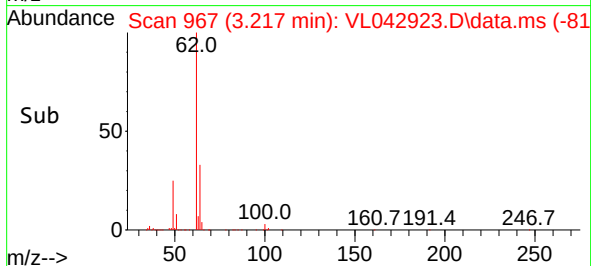
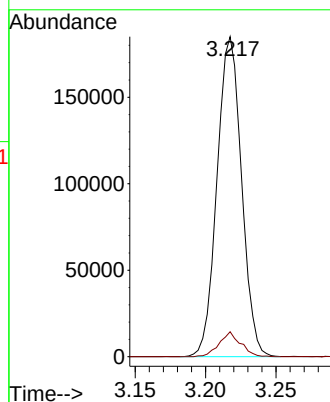
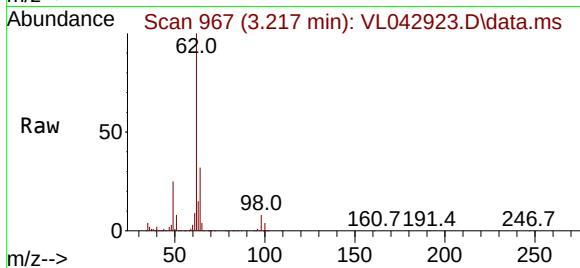
VL0910ABS01

Tgt Ion: 62 Resp: 224329

Ion Ratio Lower Upper

62 100

98 6.8 5.9 8.9



#38

Trichloroethene

Concen: 10.292 ppbv

RT: 4.544 min Scan# 1377

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion:130 Resp: 161710

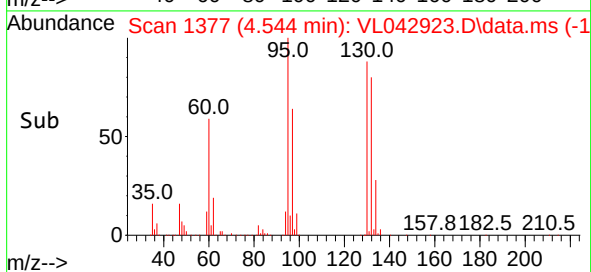
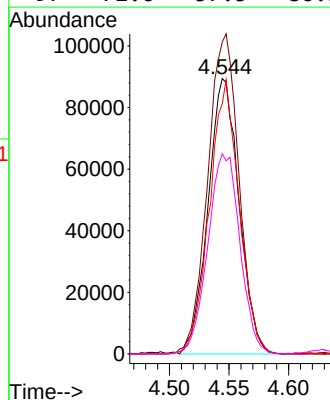
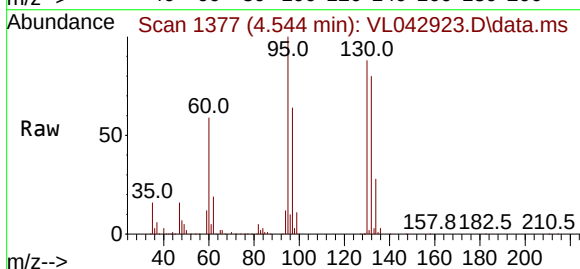
Ion Ratio Lower Upper

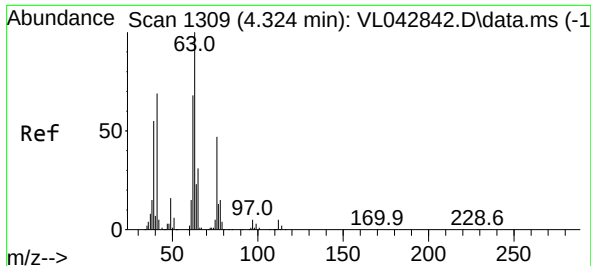
130 100

95 113.2 87.6 131.4

132 90.8 73.8 110.8

97 72.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.819 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

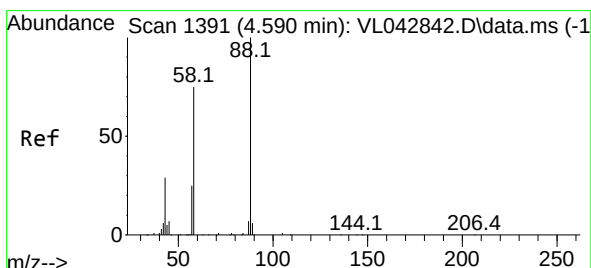
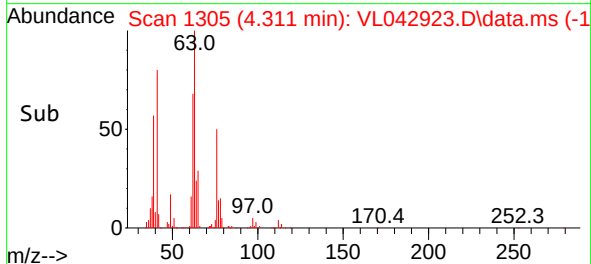
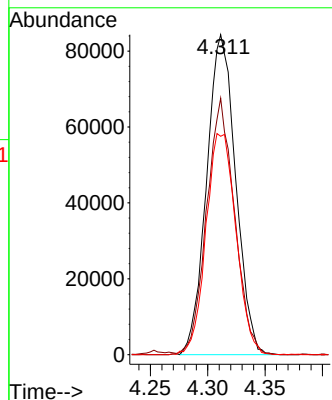
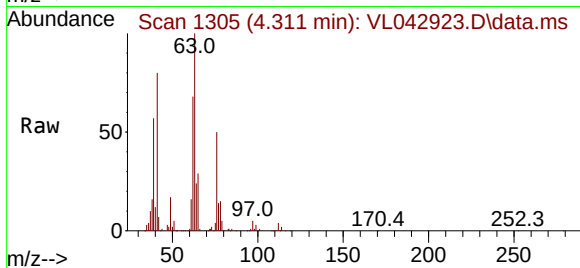
Tgt Ion: 63 Resp: 148506

Ion Ratio Lower Upper

63 100

41 80.1 55.0 82.4

62 68.2 54.4 81.6



#40

1,4-Dioxane

Concen: 9.957 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.022 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Tgt Ion: 88 Resp: 59487

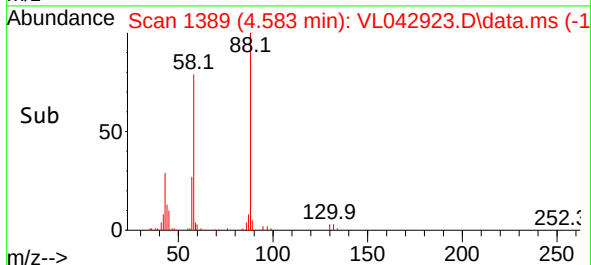
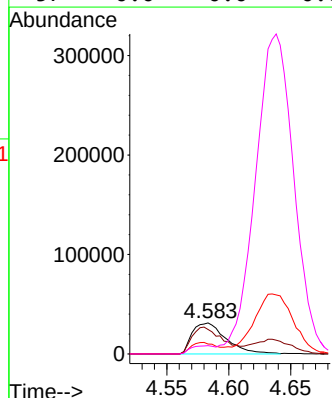
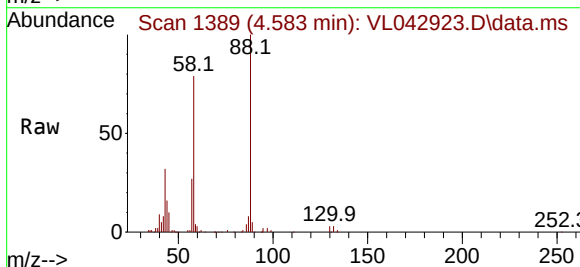
Ion Ratio Lower Upper

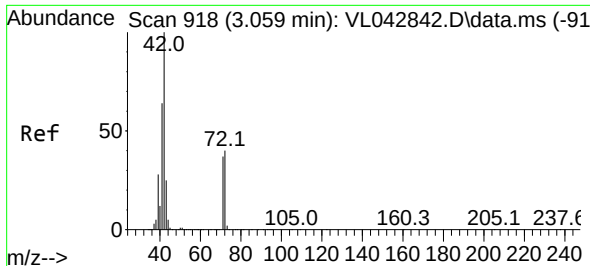
88 100

58 78.1 53.8 80.6

43 30.5 22.8 34.2

57 0.0 0.0 0.0

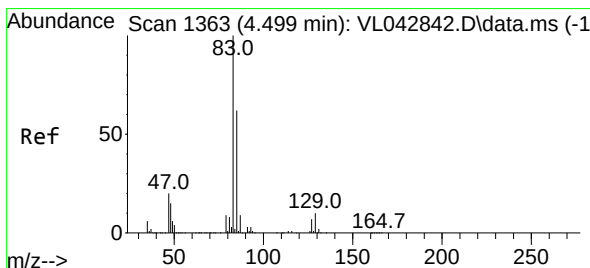
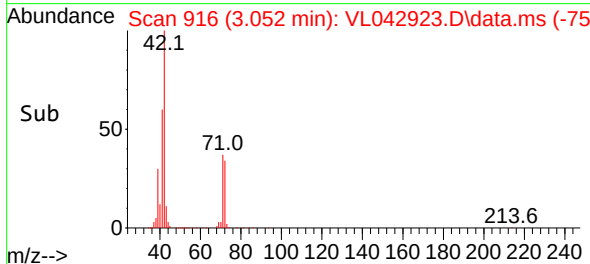
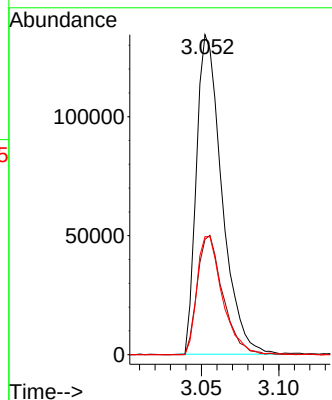
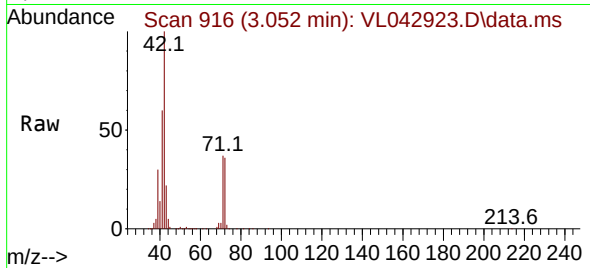




#41
Tetrahydrofuran
Concen: 11.372 ppbv
RT: 3.052 min Scan# 918
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

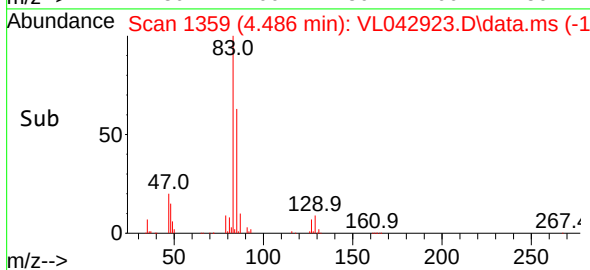
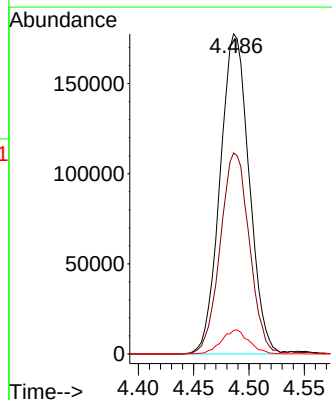
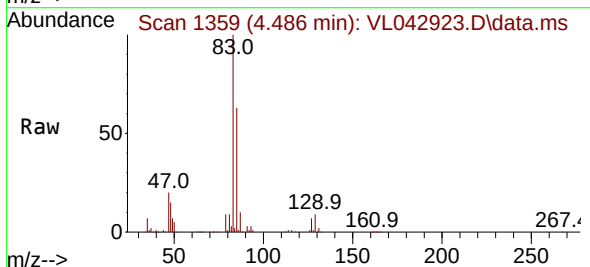
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

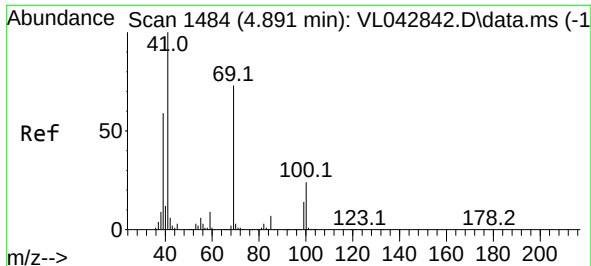
Tgt Ion: 42 Resp: 153801
Ion Ratio Lower Upper
42 100
72 37.5 32.6 48.8
71 37.0 30.0 45.0



#42
Bromodichloromethane
Concen: 12.118 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 83 Resp: 324553
Ion Ratio Lower Upper
83 100
85 62.7 49.8 74.8
127 7.4 5.8 8.6

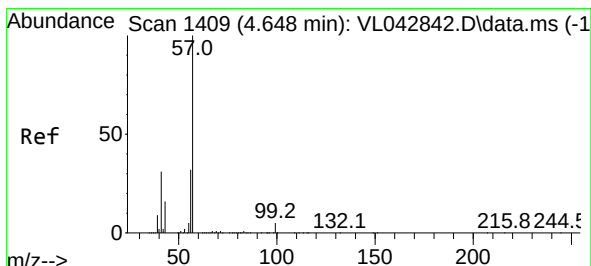
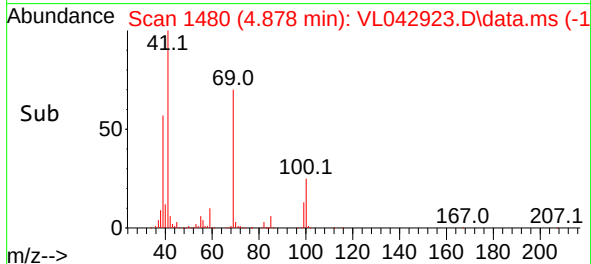
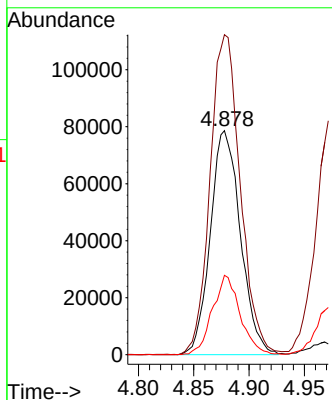
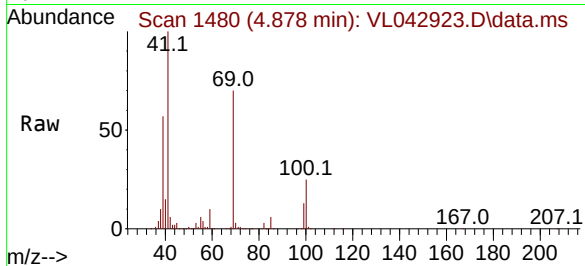




#43
Methyl Methacrylate
Concen: 10.509 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

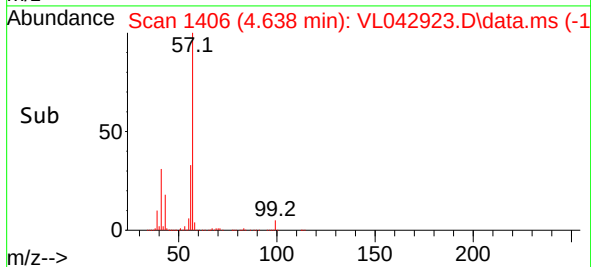
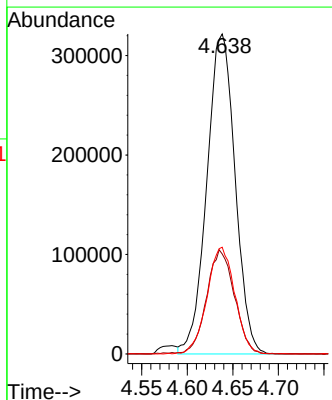
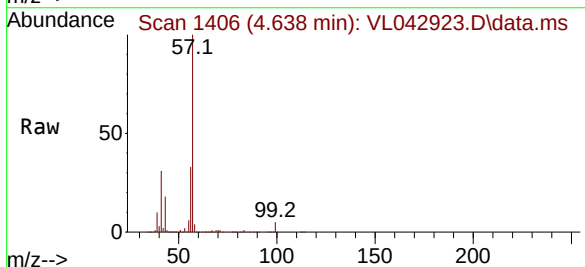
Instrument :
MSVOA_1
ClientSampleId :
VL0910ABS01

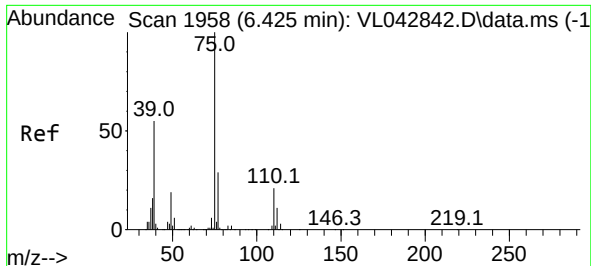
Tgt Ion: 69 Resp: 148932
Ion Ratio Lower Upper
69 100
41 143.6 114.6 172.0
100 32.5 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 11.900 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 57 Resp: 694873
Ion Ratio Lower Upper
57 100
41 32.3 24.8 37.2
56 32.9 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 9.383 ppbv

RT: 6.415 min Scan# 1958

Delta R.T. 0.022 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

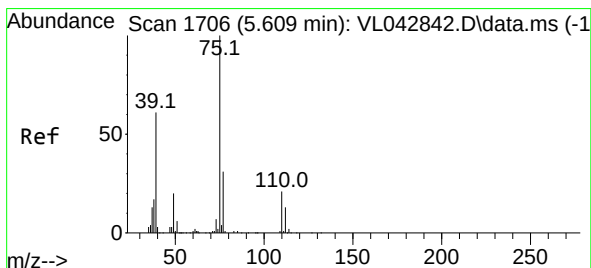
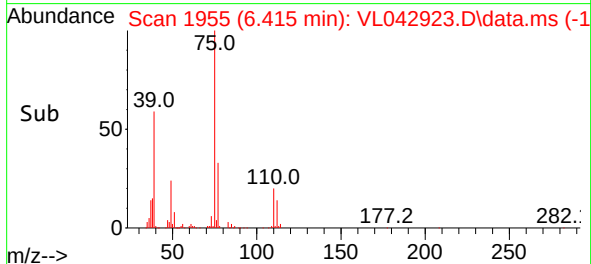
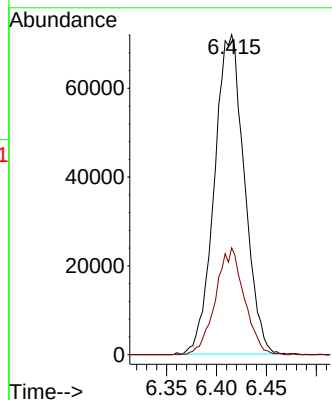
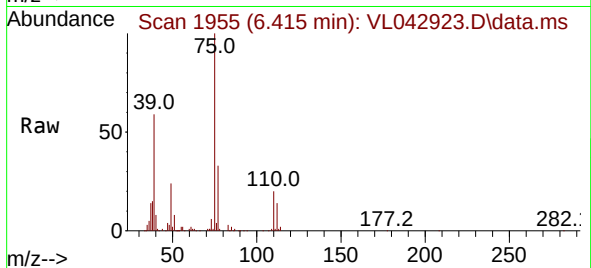
VL0910ABS01

Tgt Ion: 75 Resp: 150074

Ion Ratio Lower Upper

75 100

77 33.4 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 10.449 ppbv

RT: 5.599 min Scan# 1703

Delta R.T. 0.019 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

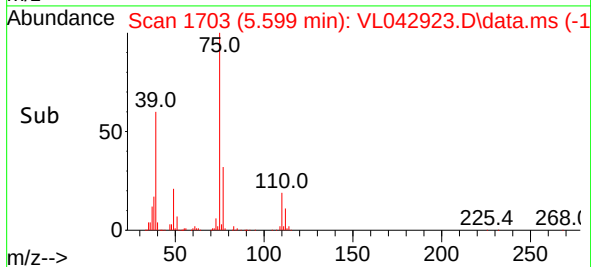
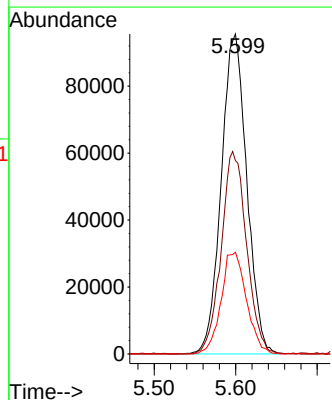
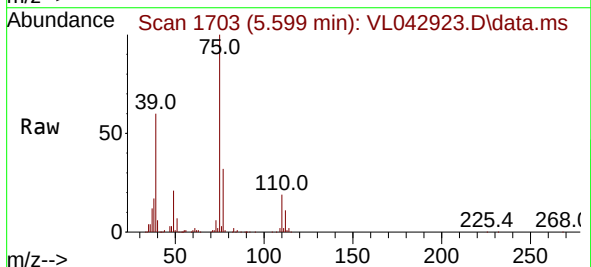
Tgt Ion: 75 Resp: 208230

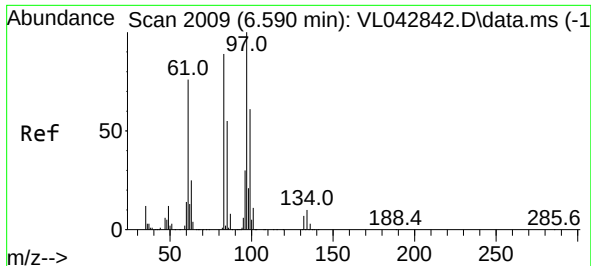
Ion Ratio Lower Upper

75 100

39 60.3 48.9 73.3

77 31.8 24.9 37.3



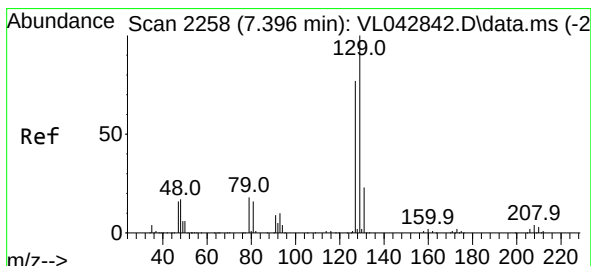
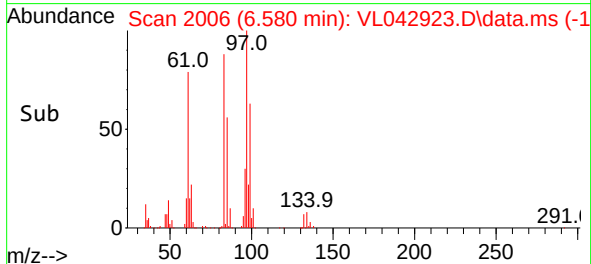
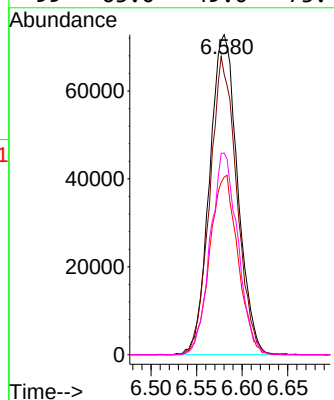
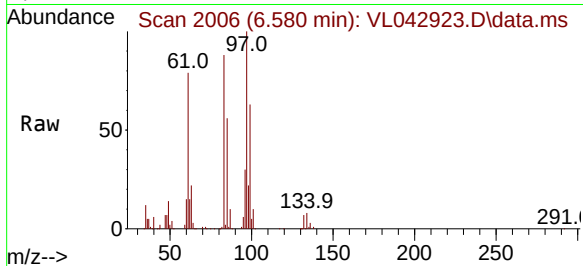


#47
1,1,2-Trichloroethane
Concen: 11.714 ppbv
RT: 6.580 min Scan# 2009
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 97 Resp: 155939

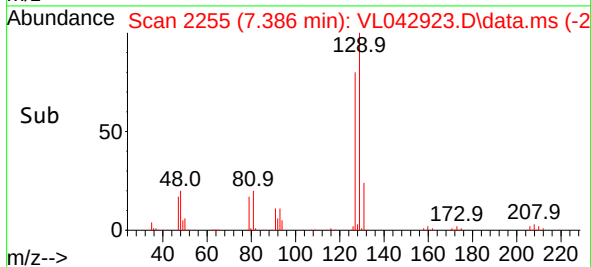
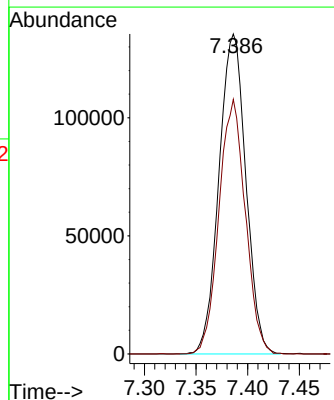
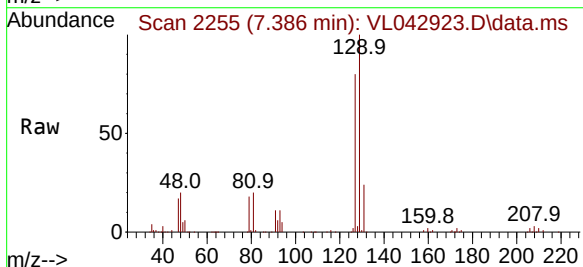
Ion	Ratio	Lower	Upper
97	100		
83	87.4	71.0	106.4
85	55.4	43.6	65.4
99	63.0	49.0	73.4

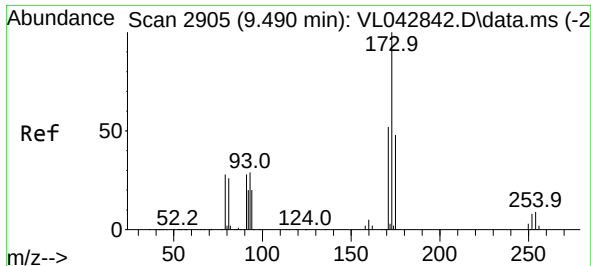


#48
Dibromochloromethane
Concen: 11.395 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 129 Resp: 245474

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.4	118.2

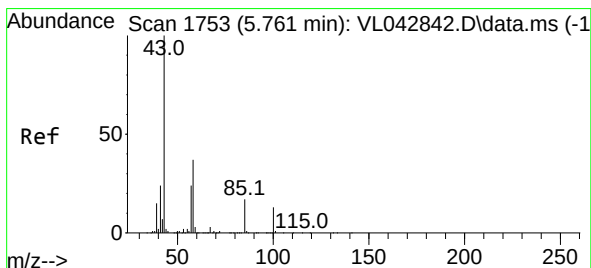
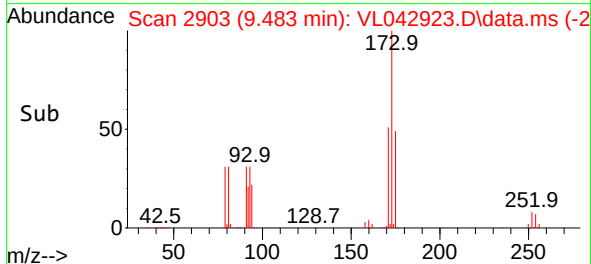
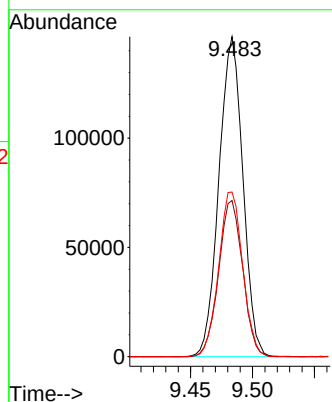
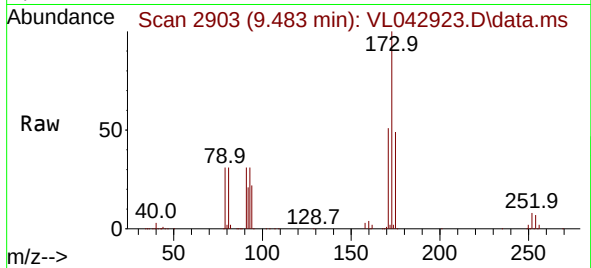




#49
Bromoform
Concen: 11.102 ppbv
RT: 9.483 min Scan# 2905
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

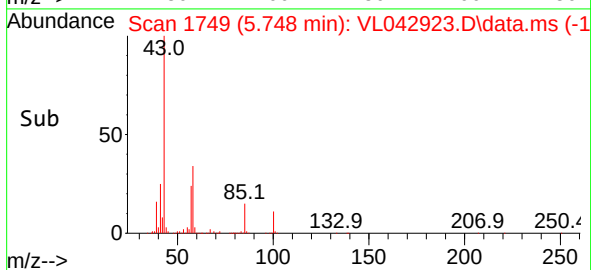
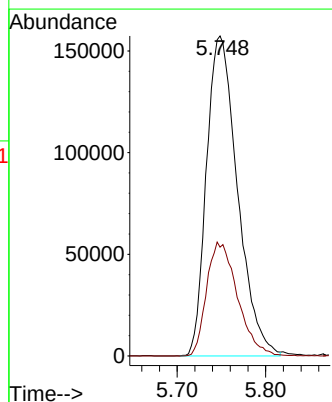
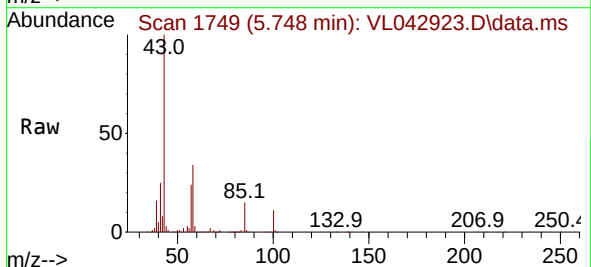
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

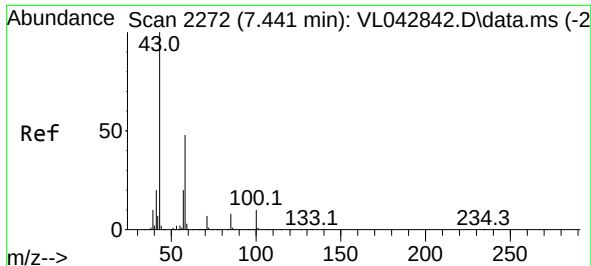
Tgt Ion:173 Resp: 197231
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
171 51.8 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 11.675 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 43 Resp: 382819
Ion Ratio Lower Upper
43 100
58 35.5 29.8 44.8

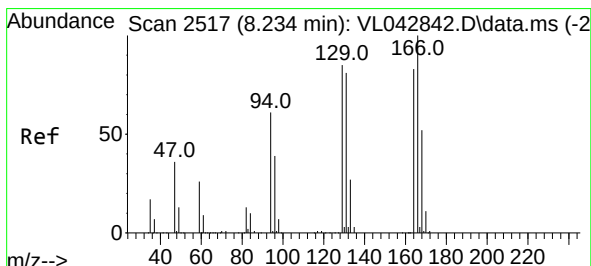
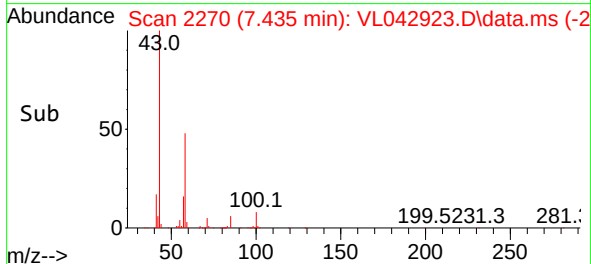
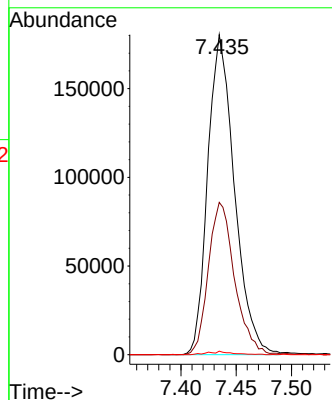
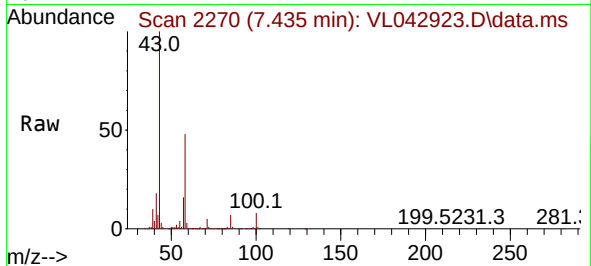




#51
2-Hexanone
Concen: 11.729 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

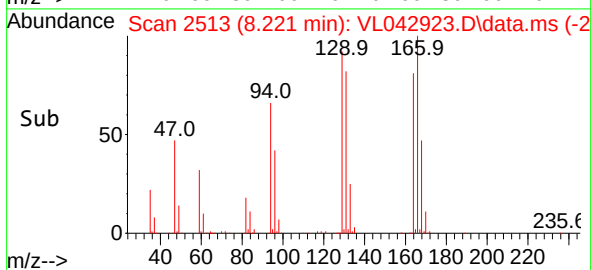
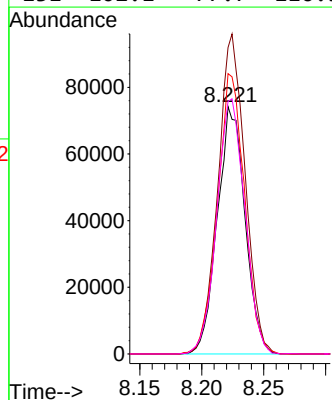
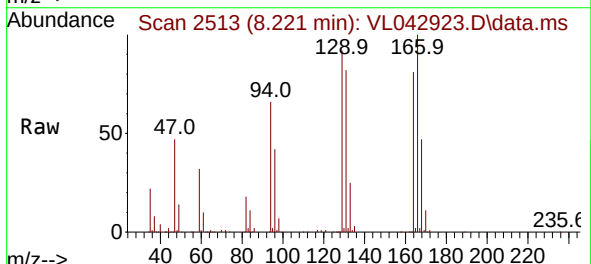
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

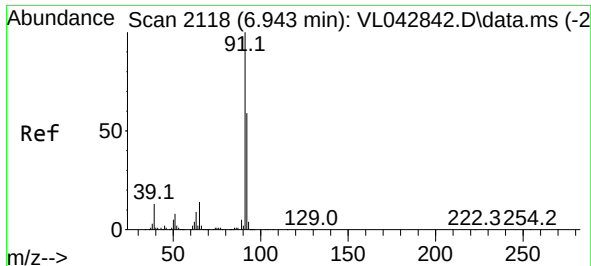
Tgt Ion: 43 Resp: 302643
Ion Ratio Lower Upper
43 100
58 47.0 41.0 61.6
98 1.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.245 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 164 Resp: 115064
Ion Ratio Lower Upper
164 100
166 123.8 96.5 144.7
129 113.3 81.8 122.6
131 102.1 77.7 116.5

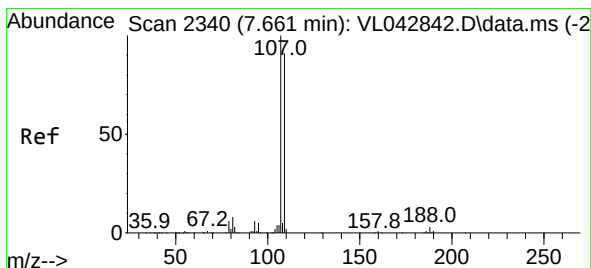
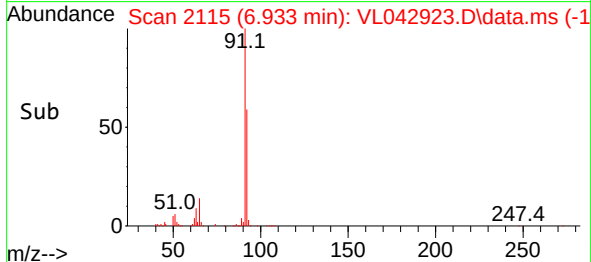
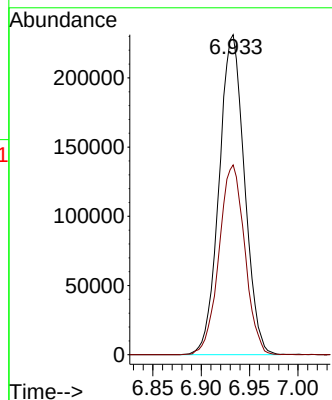
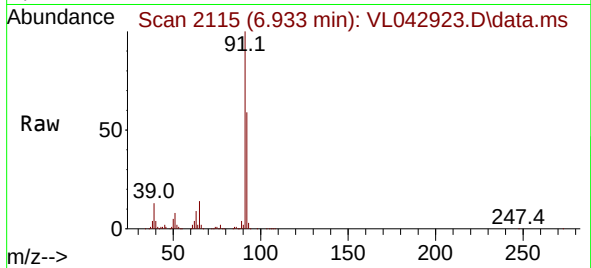




#53
Toluene
Concen: 10.316 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.019 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

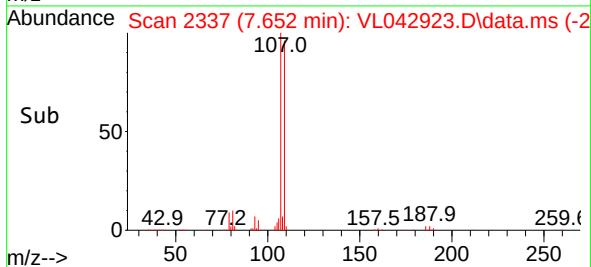
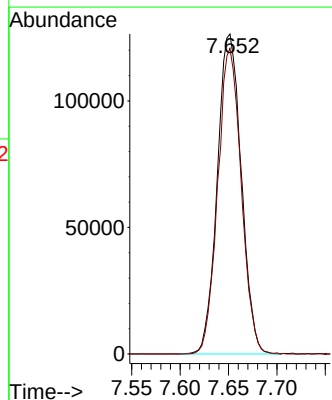
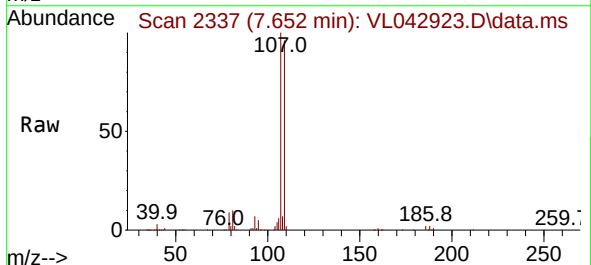
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

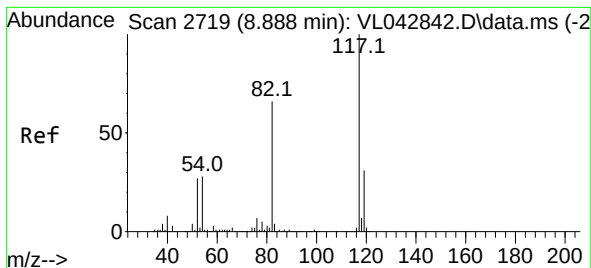
Tgt Ion: 91 Resp: 421930
Ion Ratio Lower Upper
91 100
92 60.2 47.8 71.6



#54
1,2-Dibromoethane
Concen: 11.200 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.016 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 107 Resp: 217893
Ion Ratio Lower Upper
107 100
109 95.5 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

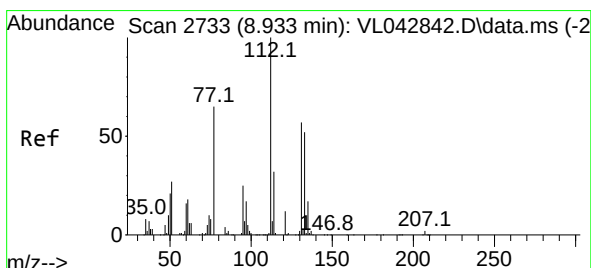
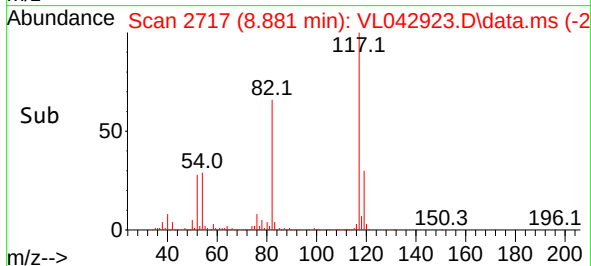
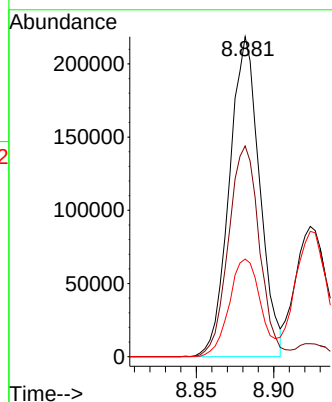
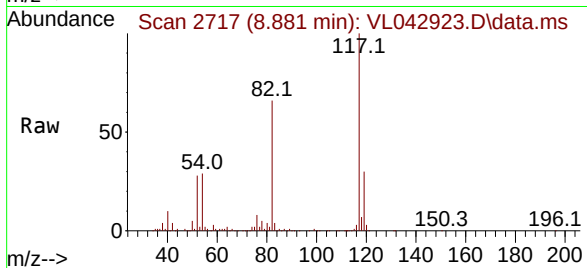
Tgt Ion:117 Resp: 297345

Ion Ratio Lower Upper

117 100

82 71.4 54.6 81.8

119 31.5 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 11.945 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

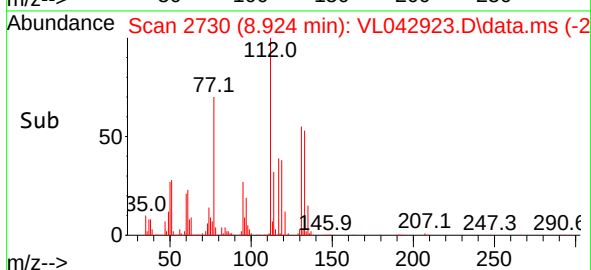
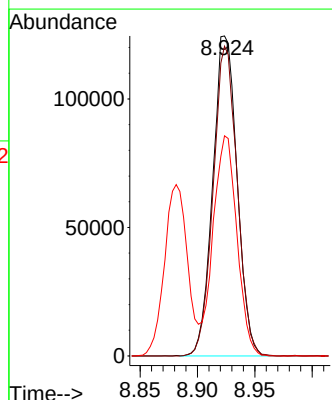
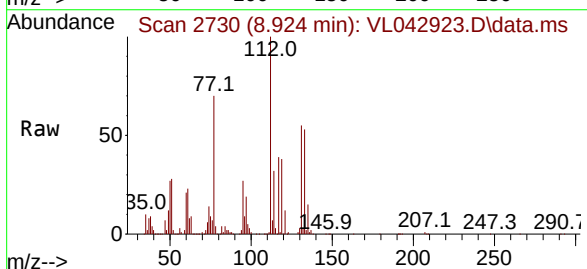
Tgt Ion:131 Resp: 183667

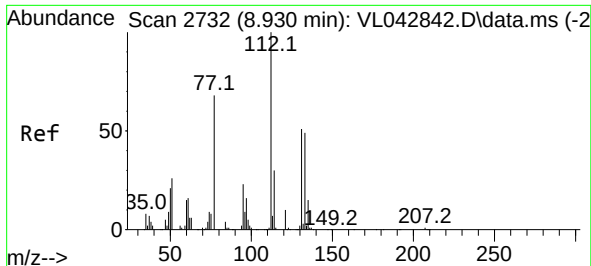
Ion Ratio Lower Upper

131 100

133 95.3 77.4 116.0

119 67.4 51.2 76.8

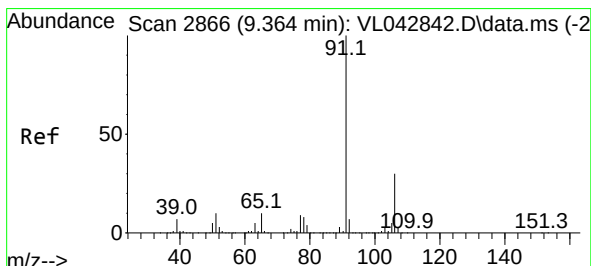
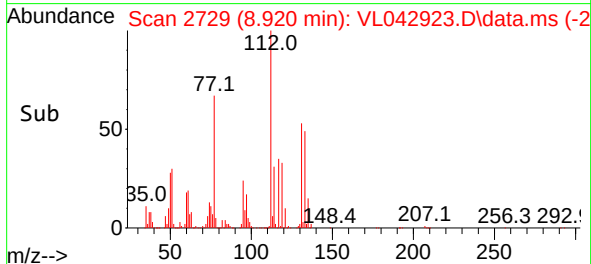
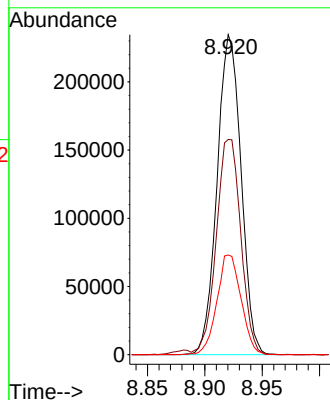
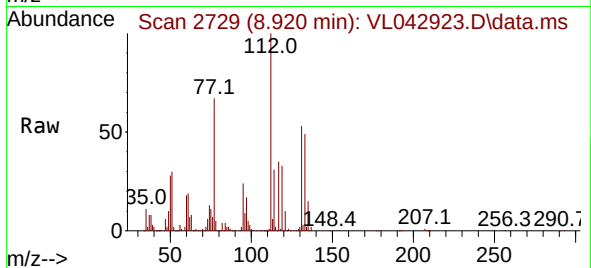




#57
Chlorobenzene
Concen: 12.068 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

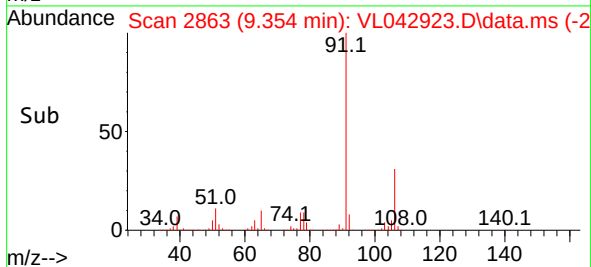
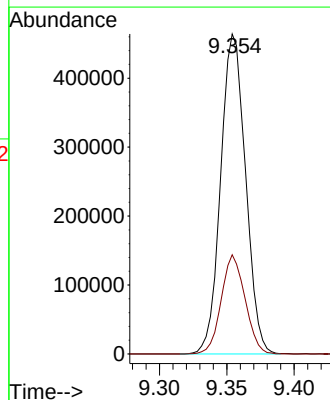
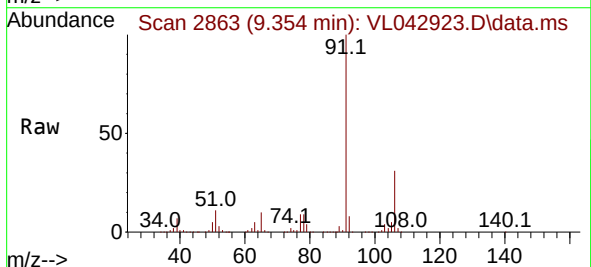
Instrument :
MSVOA_1
ClientSampleId :
VL0910ABS01

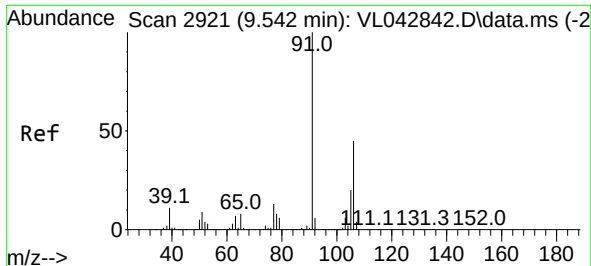
Tgt Ion:112 Resp: 341190
Ion Ratio Lower Upper
112 100
77 67.3 55.5 83.3
114 31.1 27.2 33.2



#58
Ethyl Benzene
Concen: 11.363 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 91 Resp: 596255
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9





#59

m/p-Xylene

Concen: 11.180 ppbv

RT: 9.551 min Scan# 29

Delta R.T. 0.013 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

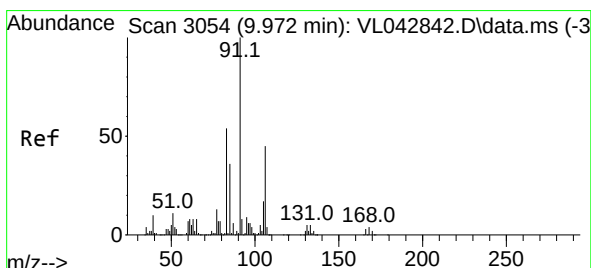
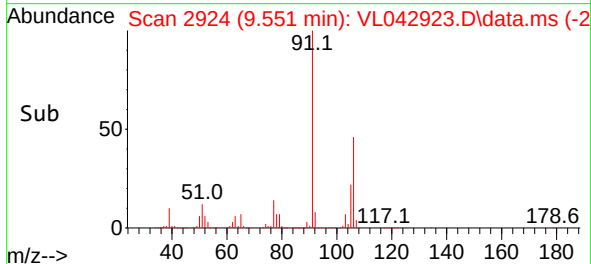
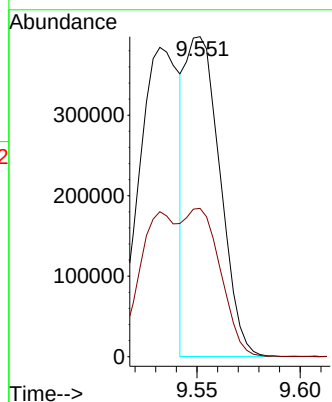
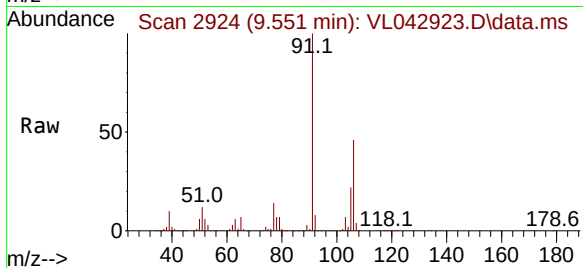
VL0910ABS01

Tgt Ion: 91 Resp: 459837

Ion Ratio Lower Upper

91 100

106 99.9 0.0 0.0#



#60

o-Xylene

Concen: 11.975 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL042923.D

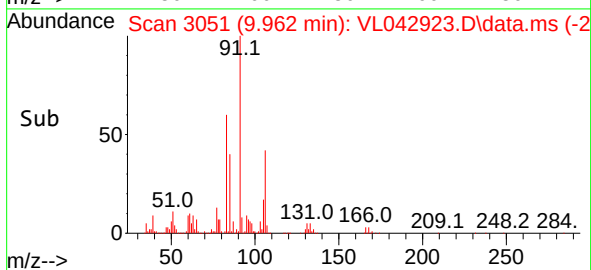
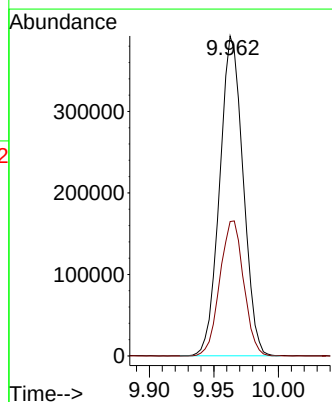
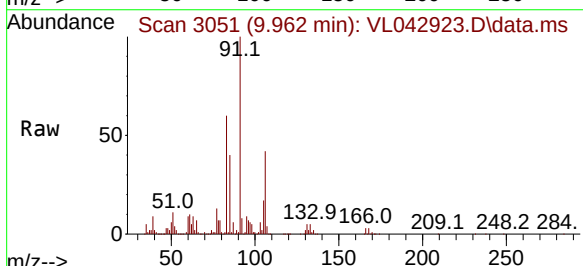
Acq: 10 Sep 2025 11:15

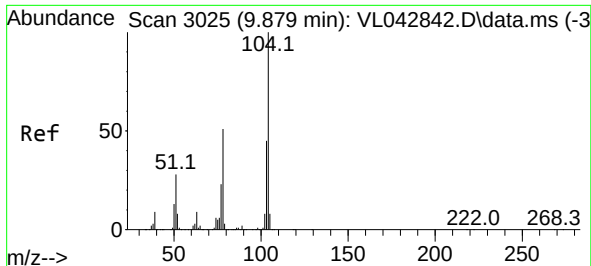
Tgt Ion: 91 Resp: 495429

Ion Ratio Lower Upper

91 100

106 43.0 21.8 65.4

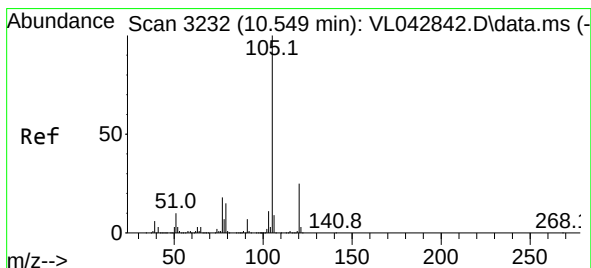
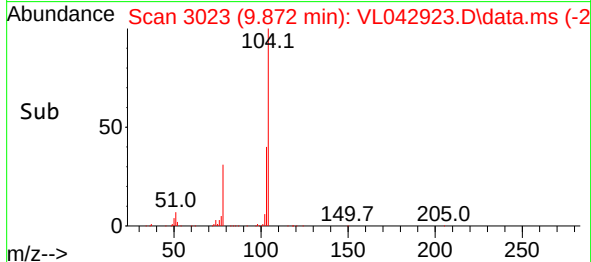
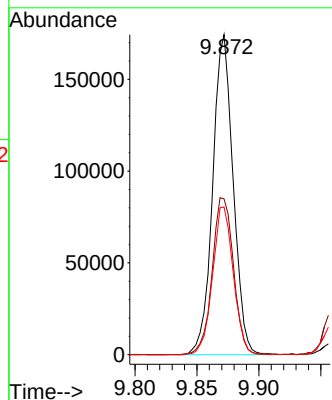
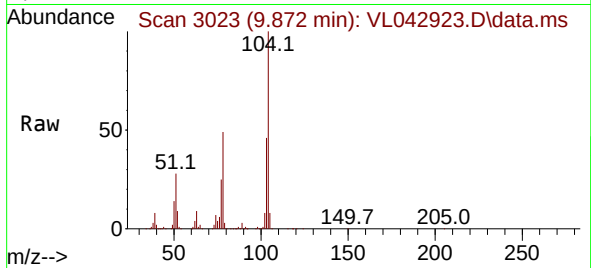




#61
Styrene
Concen: 10.352 ppbv
RT: 9.872 min Scan# 3025
Delta R.T. 0.013 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

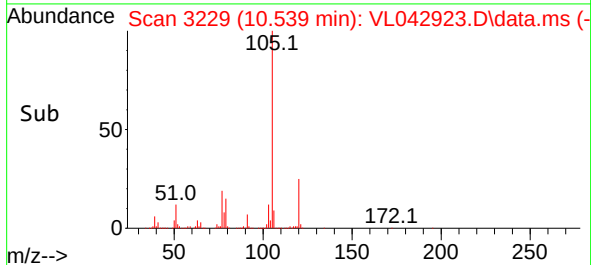
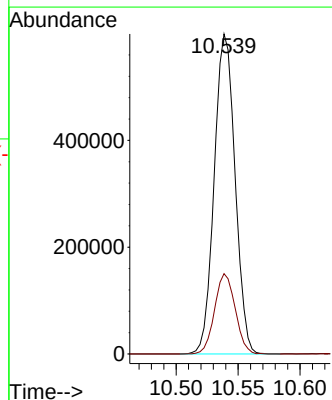
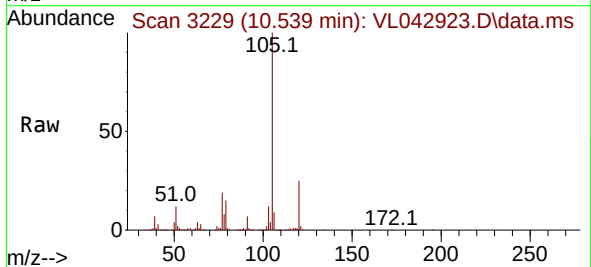
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

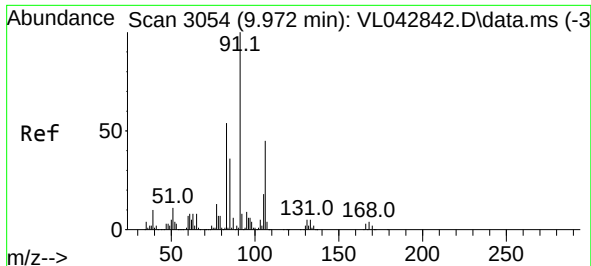
Tgt Ion:104 Resp: 200674
Ion Ratio Lower Upper
104 100
78 51.2 40.6 61.0
103 47.0 37.7 56.5



#62
Isopropylbenzene
Concen: 11.618 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion:105 Resp: 702444
Ion Ratio Lower Upper
105 100
120 24.8 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 13.149 ppbv

RT: 9.962 min Scan# 3054

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_1

ClientSampleId :

VL0910ABS01

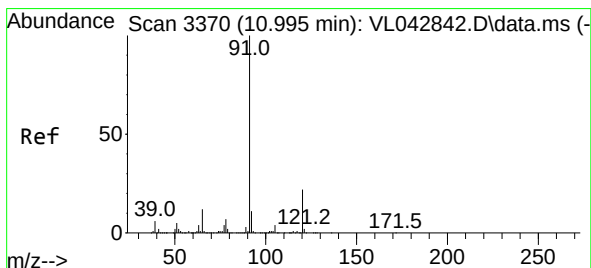
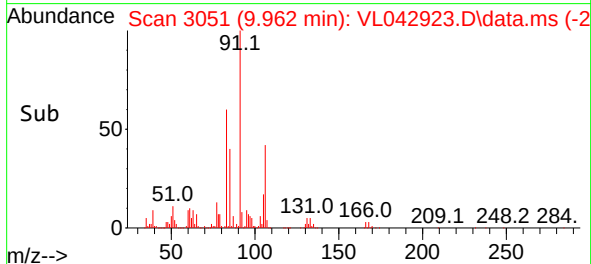
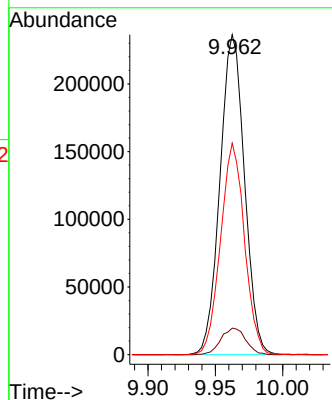
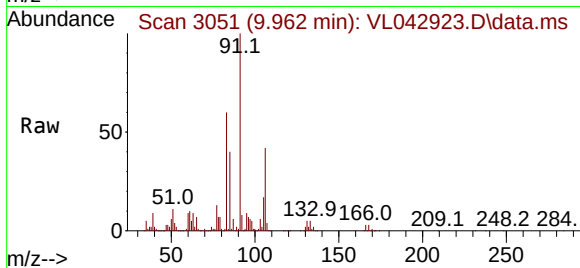
Tgt Ion: 83 Resp: 299163

Ion Ratio Lower Upper

83 100

131 8.4 4.8 14.3

85 64.5 32.3 96.8



#64

n-propylbenzene

Concen: 11.679 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.009 min

Lab File: VL042923.D

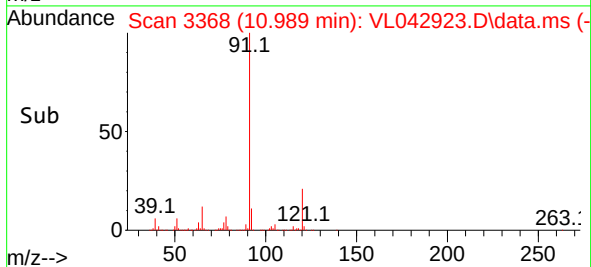
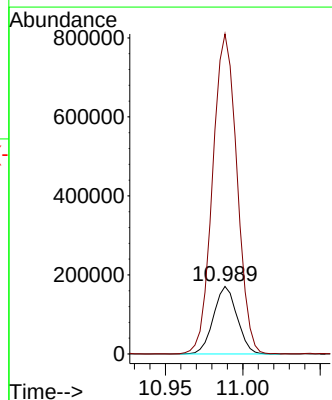
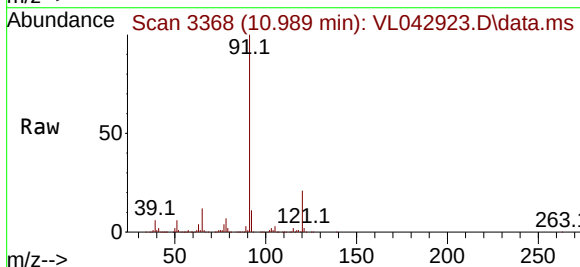
Acq: 10 Sep 2025 11:15

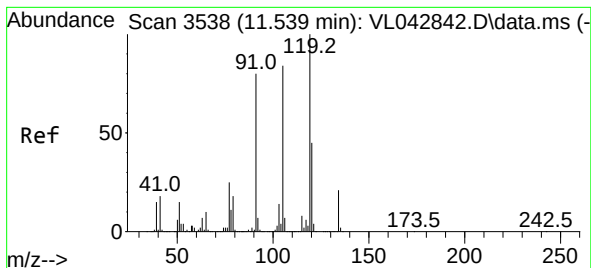
Tgt Ion: 120 Resp: 180169

Ion Ratio Lower Upper

120 100

91 492.5 375.8 563.6

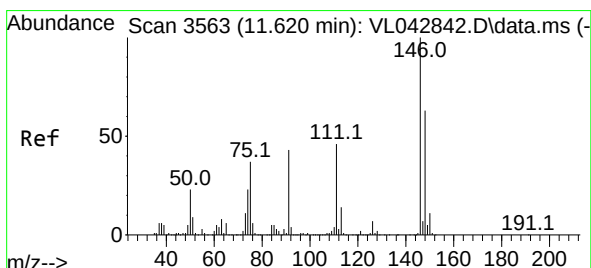
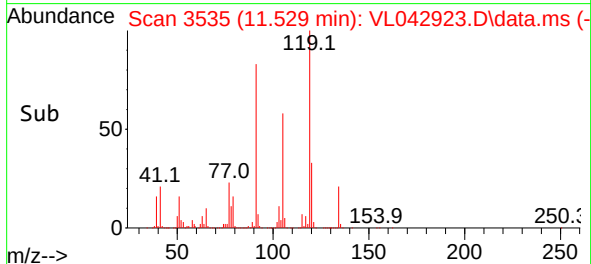
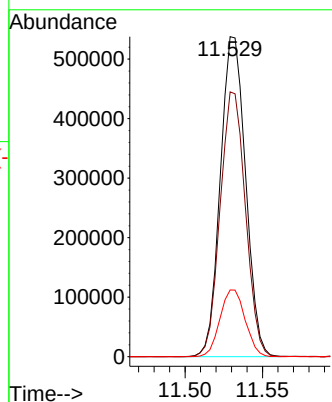
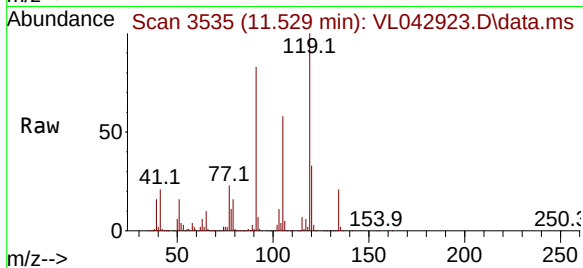




#65
tert-Butylbenzene
Concen: 11.420 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

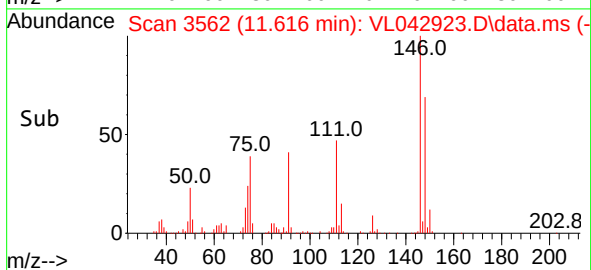
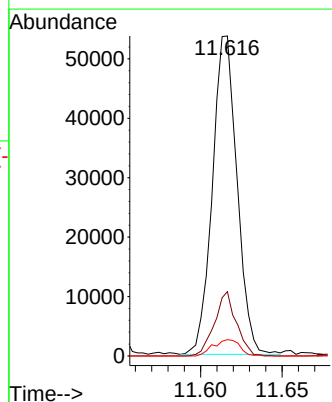
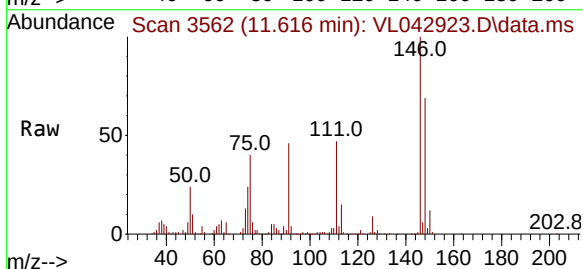
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

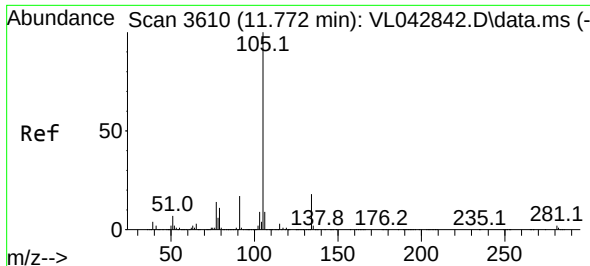
Tgt Ion:119 Resp: 608720
Ion Ratio Lower Upper
119 100
91 82.9 63.9 95.9
134 20.9 17.0 25.4



#66
Benzyl Chloride
Concen: 8.335 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 91 Resp: 56398
Ion Ratio Lower Upper
91 100
126 17.8 14.2 21.4
128 5.5 5.0 7.6

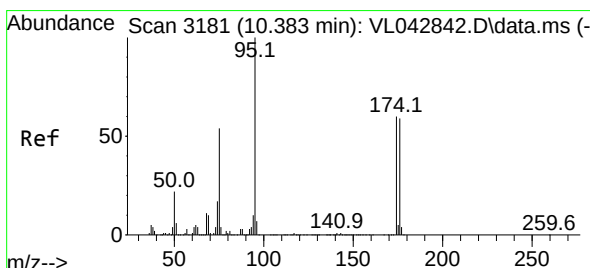
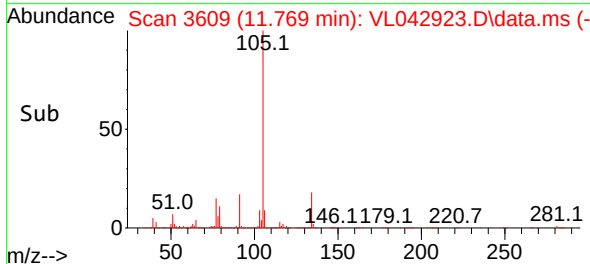
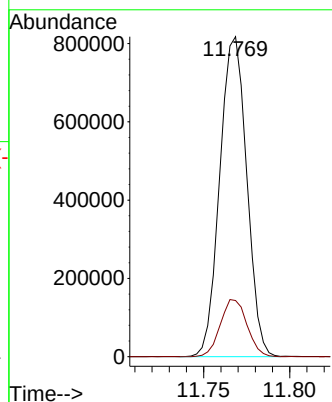
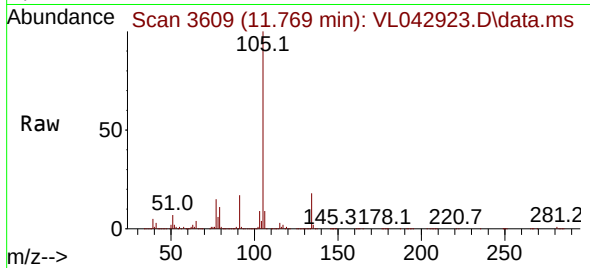




#67
 sec-Butylbenzene
 Concen: 11.904 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.009 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

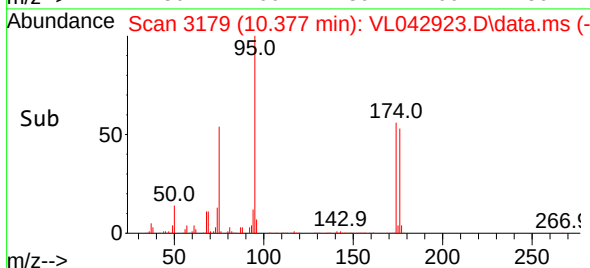
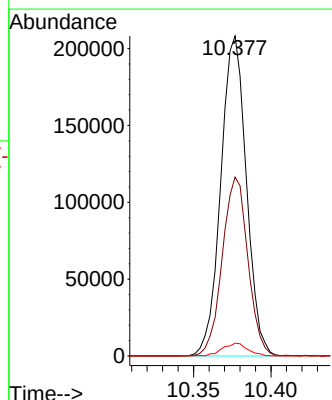
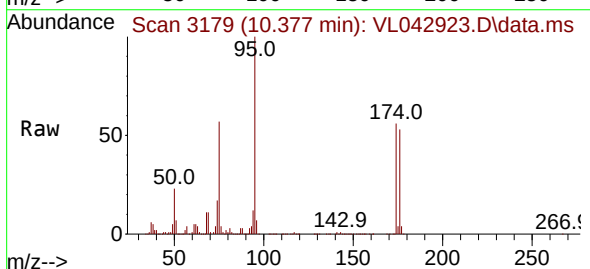
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0910ABS01

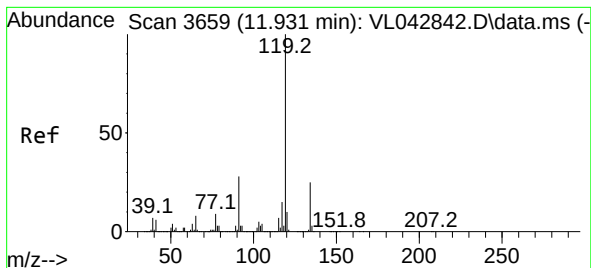
Tgt Ion:105 Resp: 890610
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.720 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.013 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 95 Resp: 239057
 Ion Ratio Lower Upper
 95 100
 174 56.2 48.4 72.6
 175 4.0 3.8 5.8

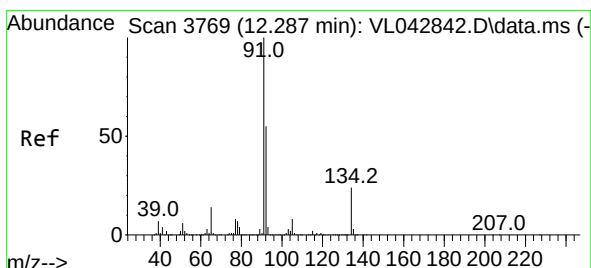
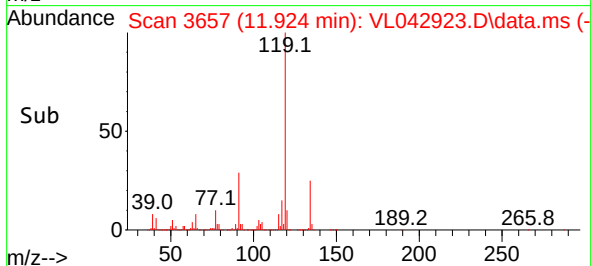
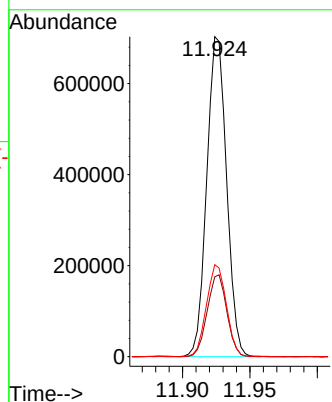
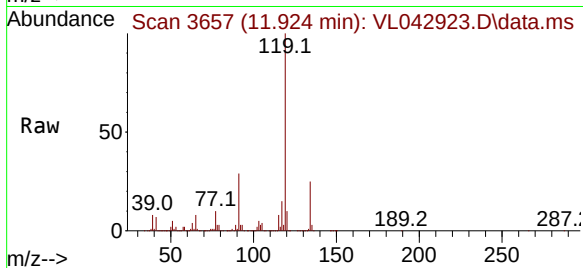




#69
 p-Isopropyltoluene
 Concen: 11.209 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

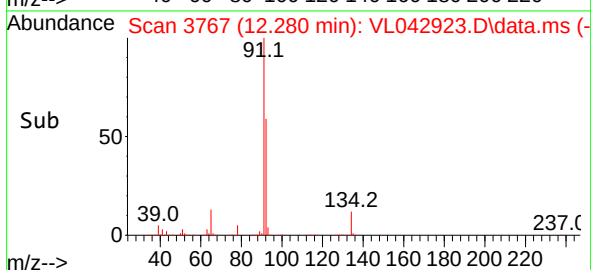
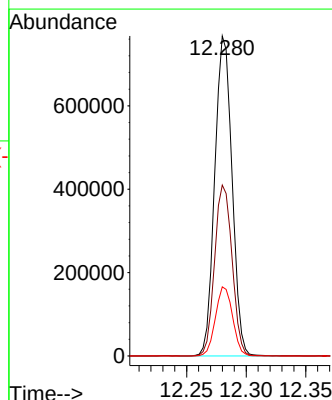
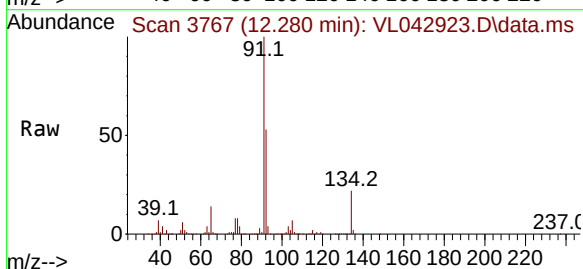
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0910ABS01

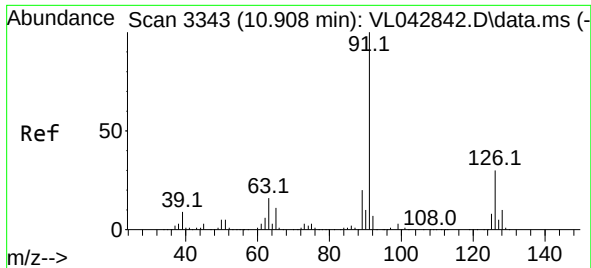
Tgt Ion:119 Resp: 719966
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.6 30.8
 91 29.0 22.6 34.0



#70
 n-Butylbenzene
 Concen: 12.147 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion: 91 Resp: 773841
 Ion Ratio Lower Upper
 91 100
 92 54.0 44.6 66.8
 134 21.5 19.0 28.4

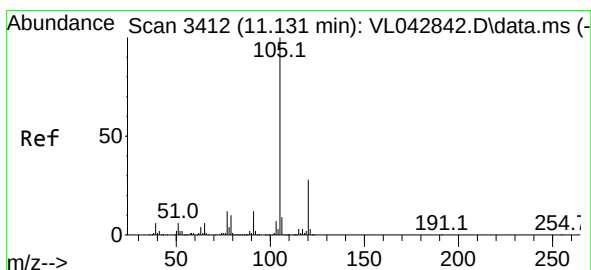
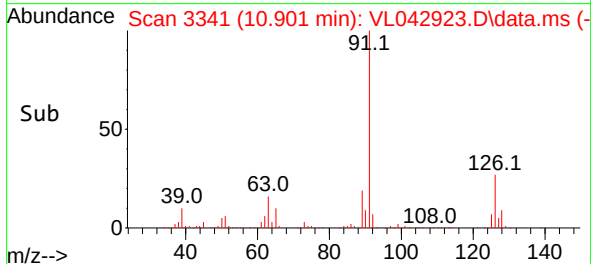
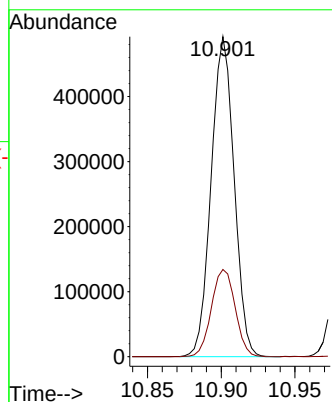
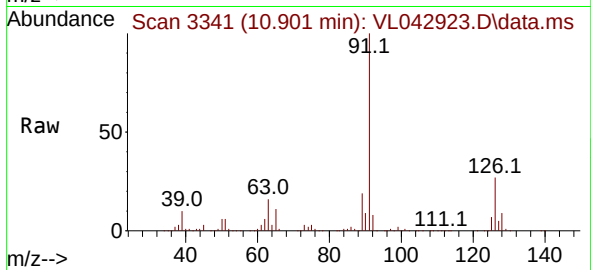




#71
2-Chlorotoluene
Concen: 11.336 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.009 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

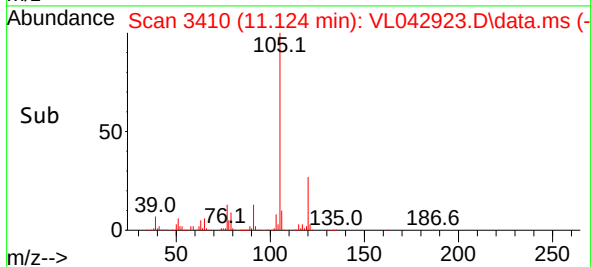
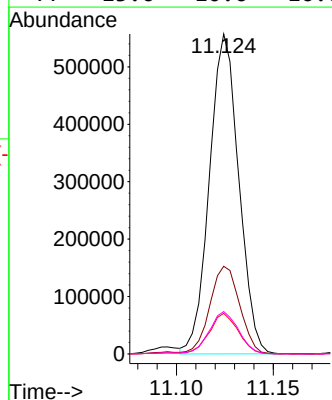
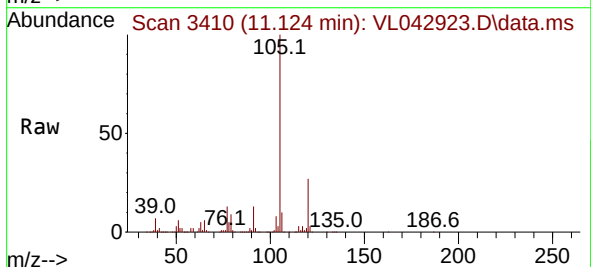
Instrument :
MSVOA_1
ClientSampleId :
VL0910ABS01

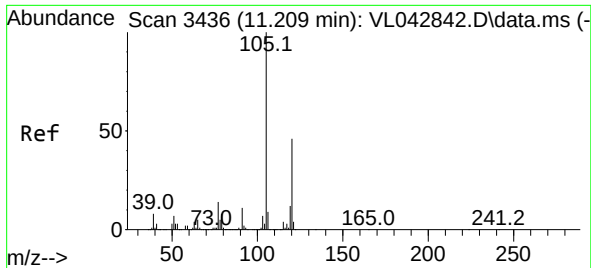
Tgt Ion: 91 Resp: 532195
Ion Ratio Lower Upper
91 100
126 28.2 12.0 47.8



#72
4-Ethyltoluene
Concen: 11.695 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL042923.D
Acq: 10 Sep 2025 11:15

Tgt Ion: 105 Resp: 586546
Ion Ratio Lower Upper
105 100
120 28.5 23.4 35.2
91 12.8 9.8 14.6
77 13.6 10.6 16.0

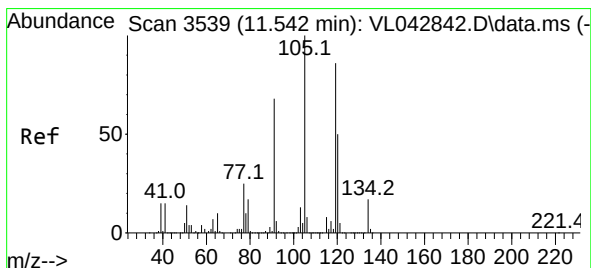
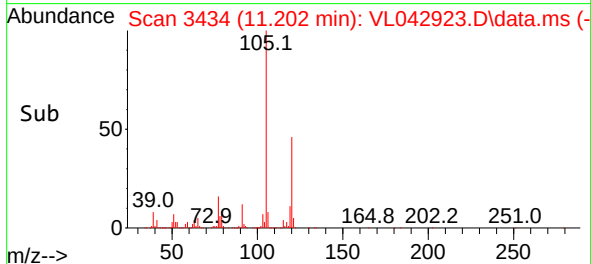
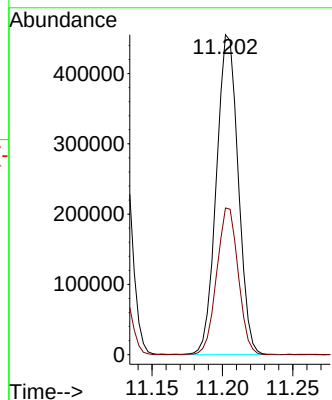
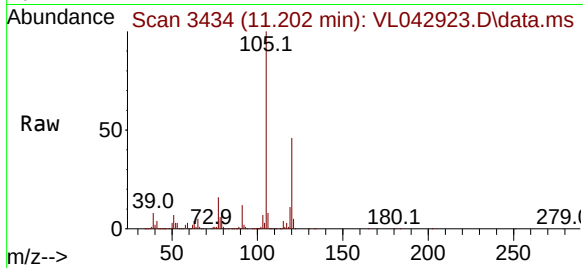




#73
 1,3,5-Trimethylbenzene
 Concen: 11.495 ppbv
 RT: 11.202 min Scan# 3436
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

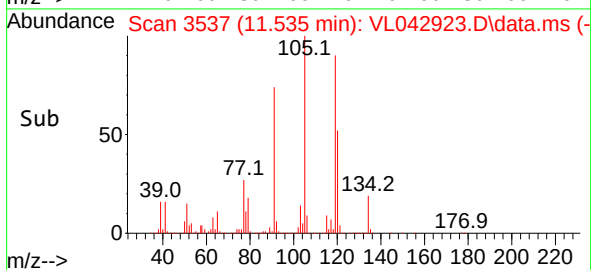
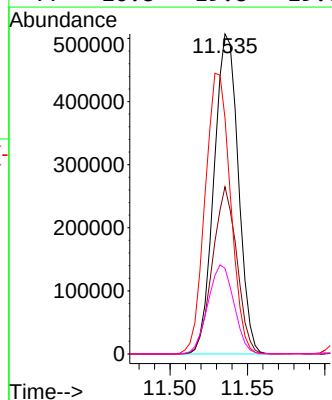
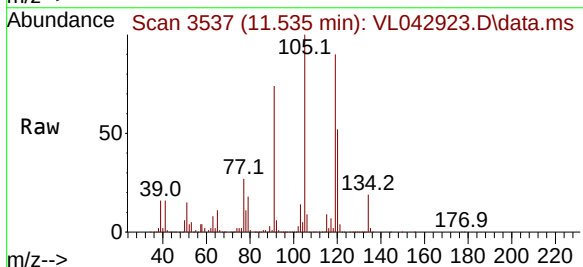
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0910ABS01

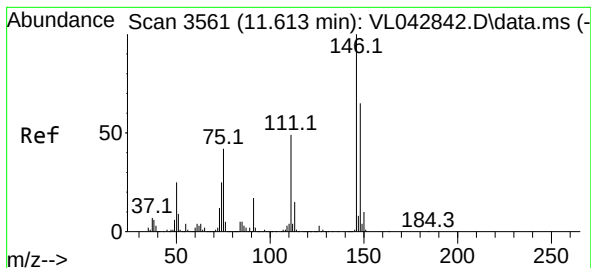
Tgt Ion:105 Resp: 490288
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 11.802 ppbv
 RT: 11.535 min Scan# 3537
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion:105 Resp: 552511
 Ion Ratio Lower Upper
 105 100
 120 52.2 39.8 59.6
 91 73.6 54.2 81.4
 77 26.8 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 11.842 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_1

ClientSampleId :

VL0910ABS01

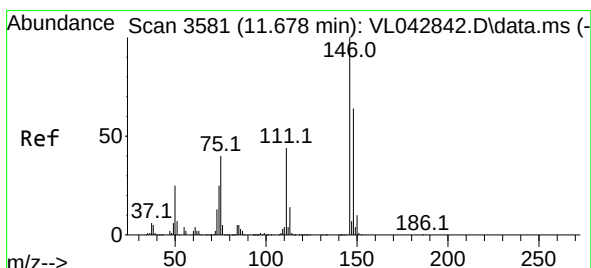
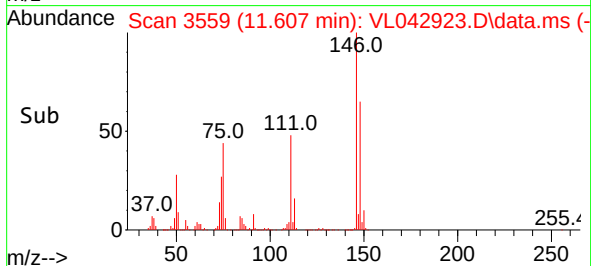
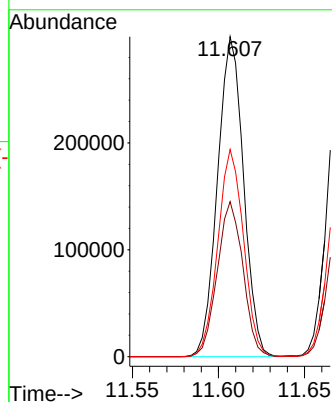
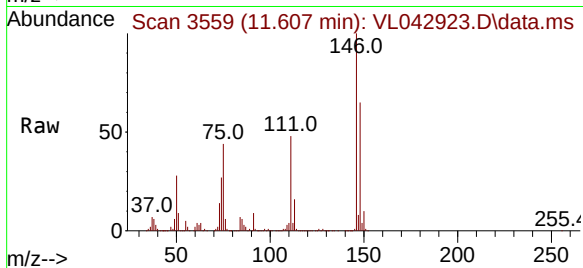
Tgt Ion:146 Resp: 315165

Ion Ratio Lower Upper

146 100

111 47.8 23.9 71.7

148 64.1 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 11.572 ppbv

RT: 11.671 min Scan# 3579

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

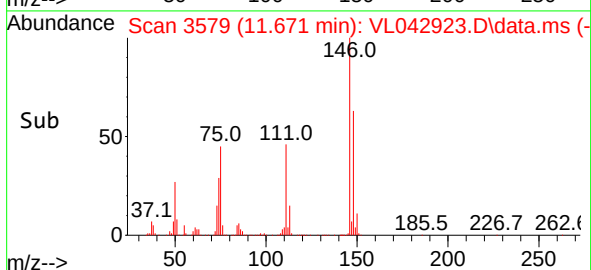
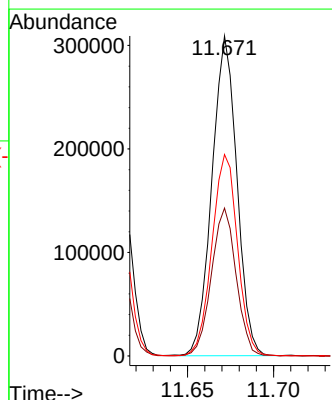
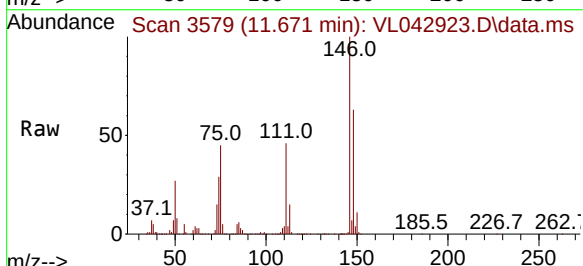
Tgt Ion:146 Resp: 311459

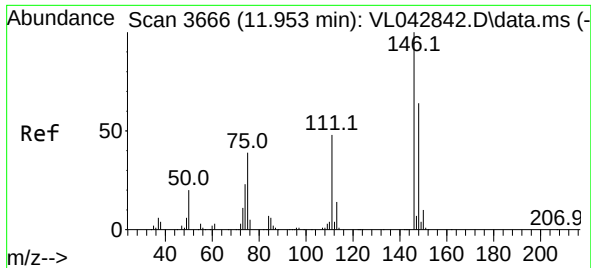
Ion Ratio Lower Upper

146 100

111 46.0 22.7 68.1

148 64.8 31.8 95.3

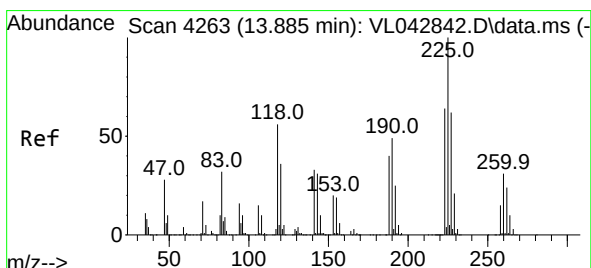
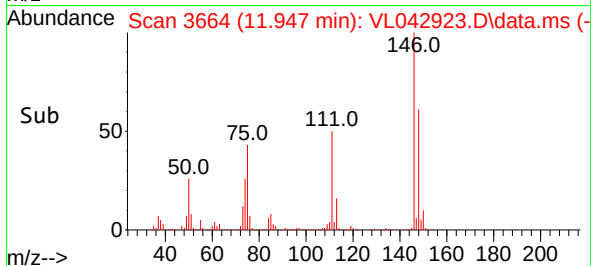
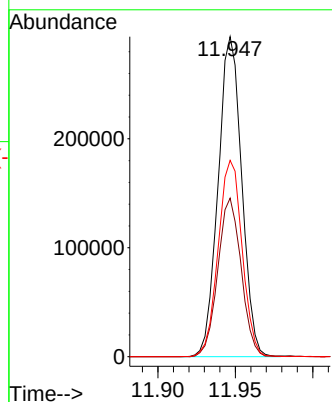
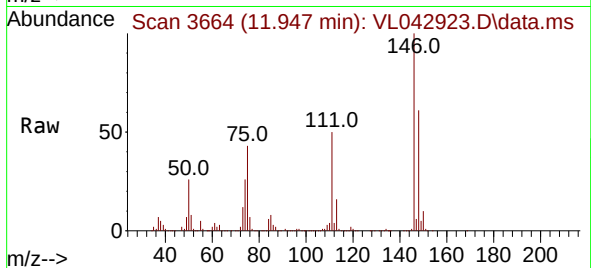




#77
 1,2-Dichlorobenzene
 Concen: 11.942 ppbv
 RT: 11.947 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

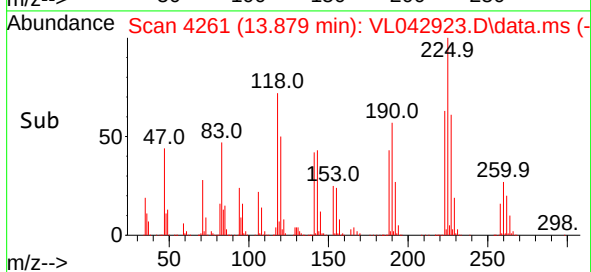
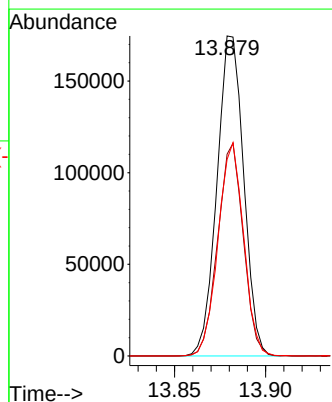
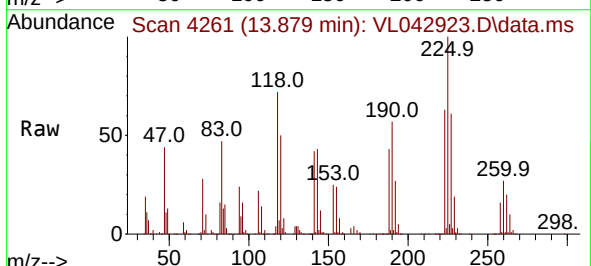
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

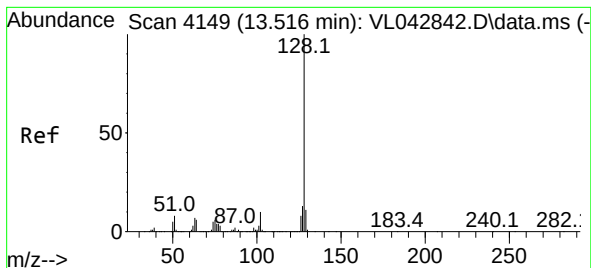
Tgt Ion:146 Resp: 311221
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.6 74.0
 148 62.4 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.348 ppbv
 RT: 13.879 min Scan# 4261
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Tgt Ion:225 Resp: 178304
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.2
 227 63.6 51.9 77.9





#79

Naphthalene

Concen: 10.683 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

Instrument :

MSVOA_1

ClientSampleId :

VL0910ABS01

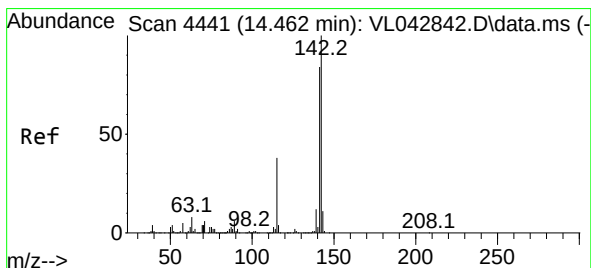
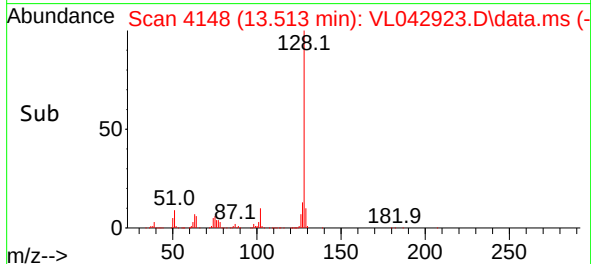
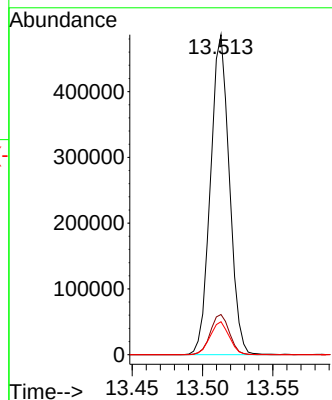
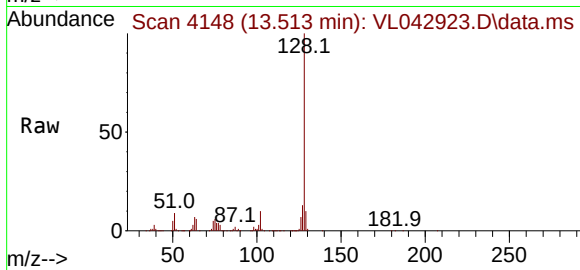
Tgt Ion:128 Resp: 453434

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 10.3 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 7.633 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.009 min

Lab File: VL042923.D

Acq: 10 Sep 2025 11:15

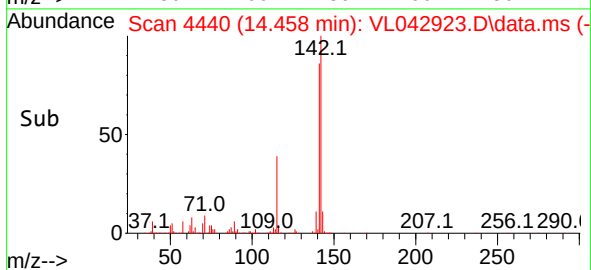
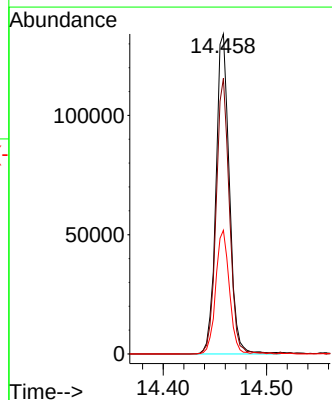
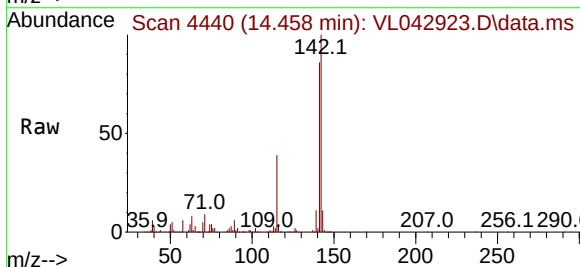
Tgt Ion:142 Resp: 121054

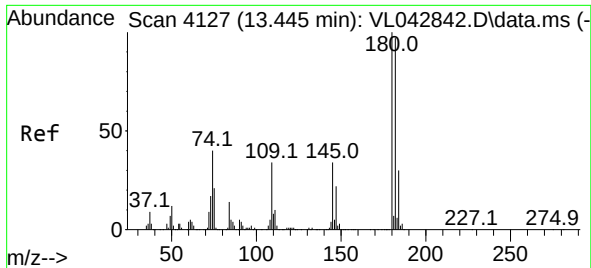
Ion Ratio Lower Upper

142 100

141 85.6 67.0 100.6

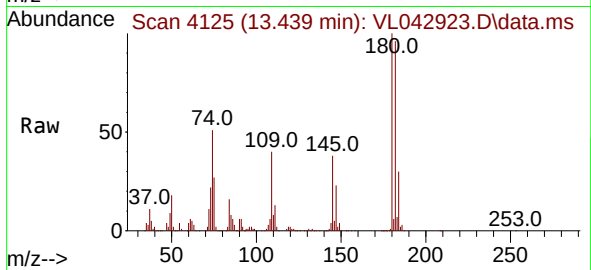
115 39.7 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.235 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042923.D
 Acq: 10 Sep 2025 11:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01



Tgt Ion:180 Resp: 218326
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 184 30.4 24.5 36.7

